FIG 1

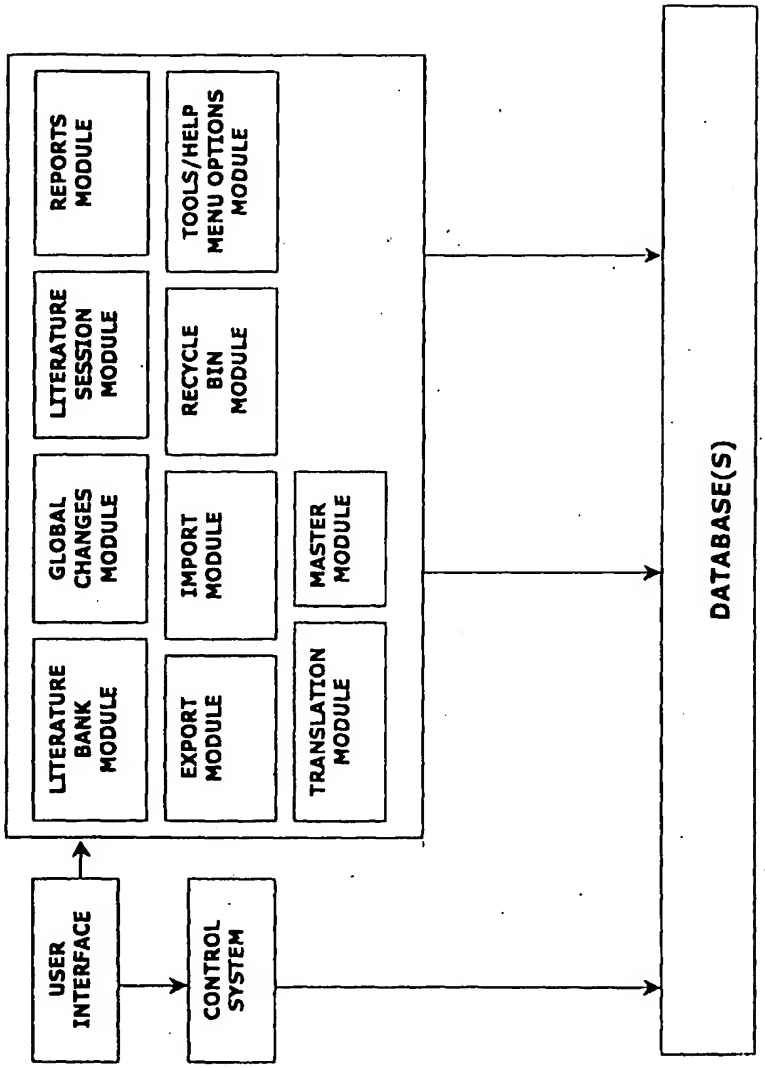

USER INTERFACE
CONTROL SYSTEM
LITERATURE BANK MODULE
GLOBAL CHANGES MODULE
LITERATURE SESSION MODULE
REPORTS MODULE
EXPORT MODULE
IMPORT MODULE
RECYCLE BIN MODULE
TOOLS/HELP MENU OPTIONS MODULE
TRANSLATION MODULE
MASTER MODULE
DATABASE(S)

FIG 2

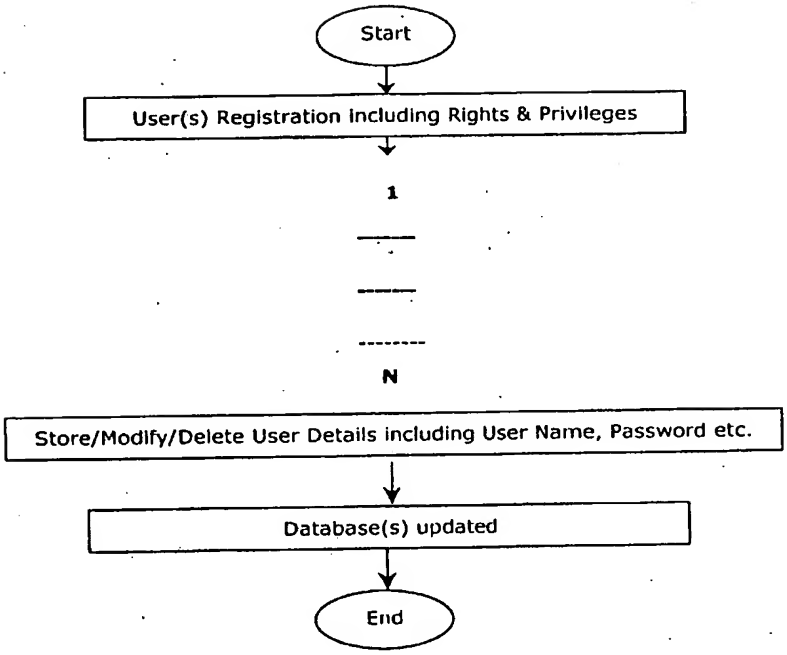

Start
User(s) Registration Including Rights & Privileges
1
N
Store/Modify/Delete User Details including User Name, Password etc.
Database(s) updated
End

FIG 3

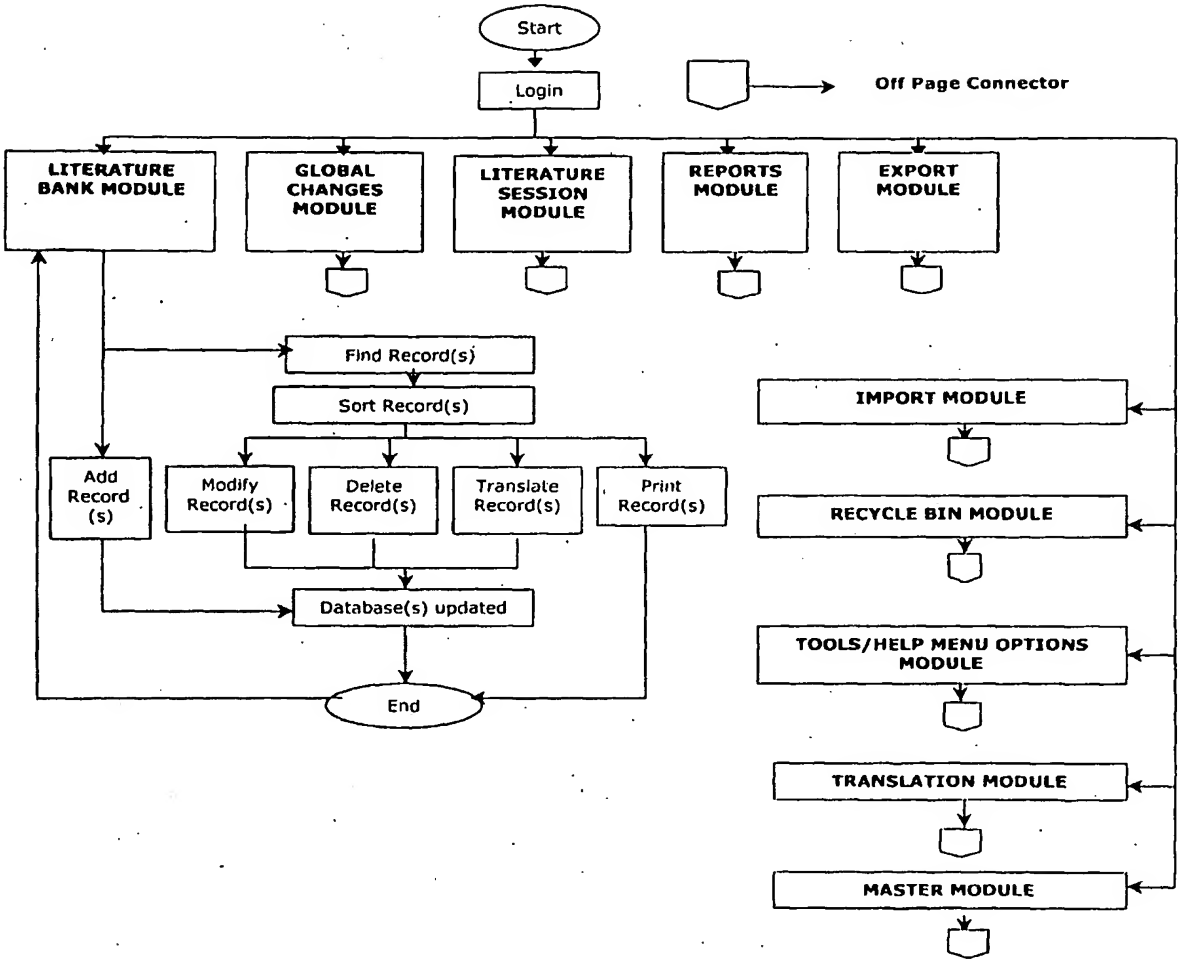

Start
Login
Off Page Connector
LITERATURE BANK MODULE
GLOBAL CHANGES MODULE
LITERATURE SESSION MODULE
REPORTS MODULE
EXPORT MODULE
Find Record(s)
Sort Record(s)
Add Record (s)
Modify Record(s)
Delete Record(s)
Translate Record(s)
Print Record(s)
Database(s) updated
End
IMPORT MODULE
RECYCLE BIN MODULE
TOOLS/HELP MENU OPTIONS MODULE
TRANSLATION MODULE
MASTER MODULE

FIG 3 (Continued)

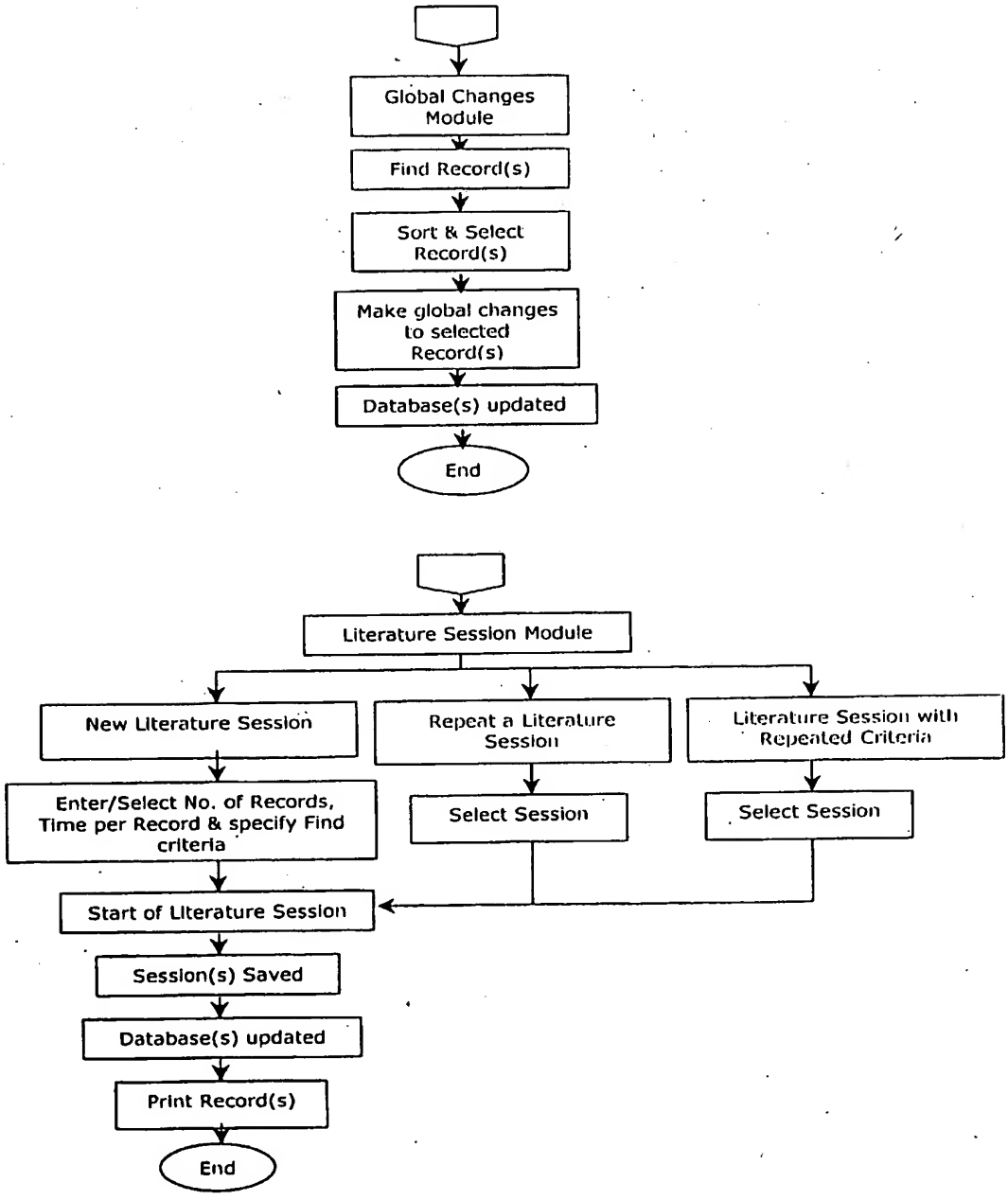


FIG 3 (Continued)

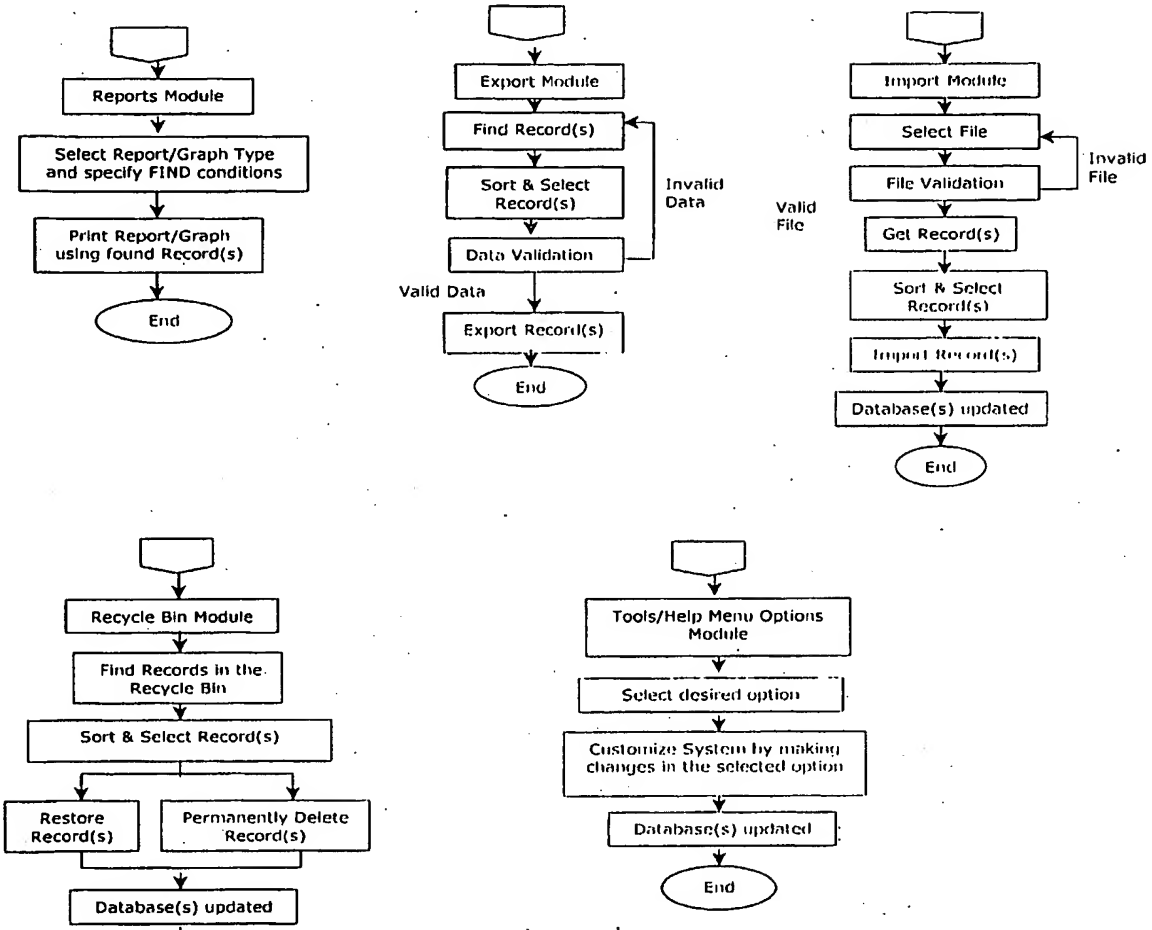


FIG 3 (Continued)

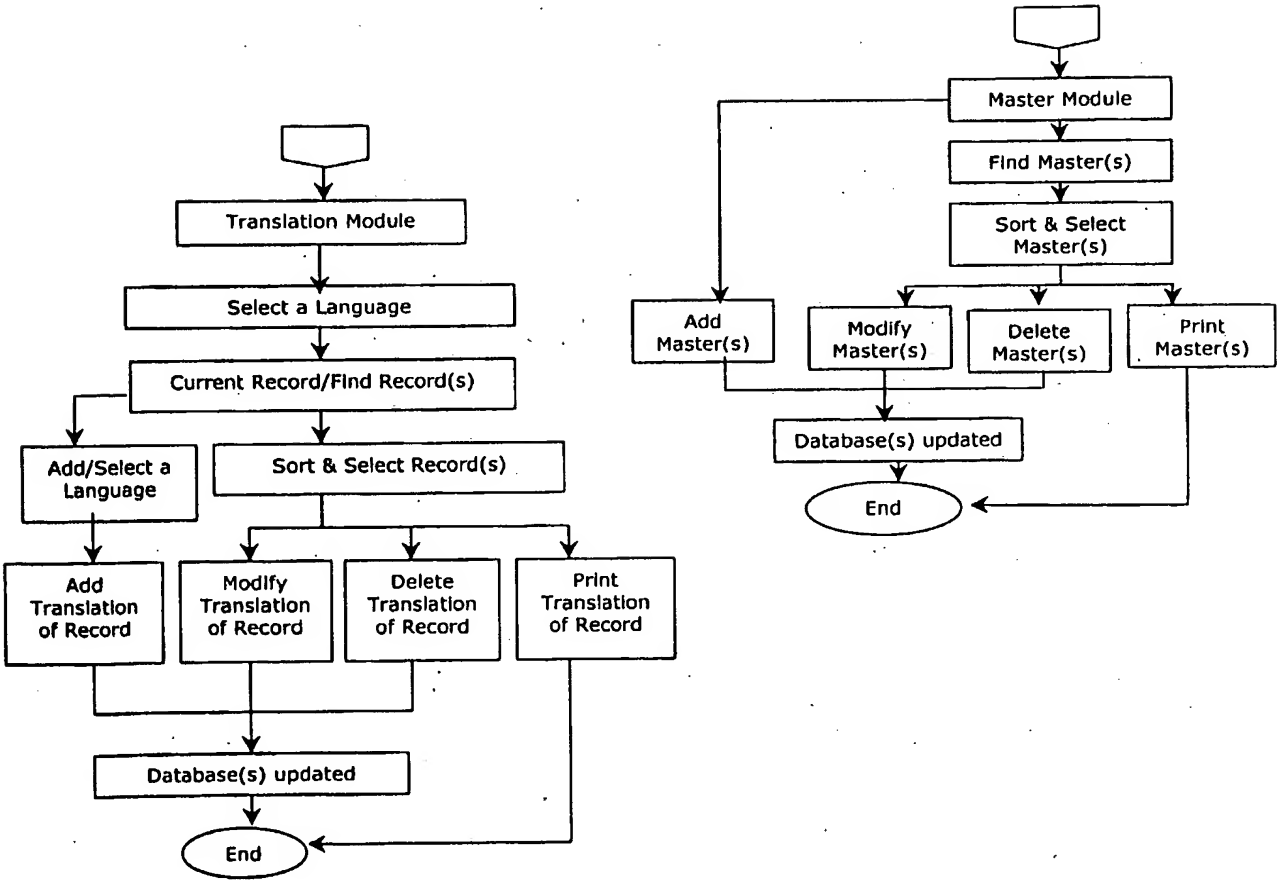
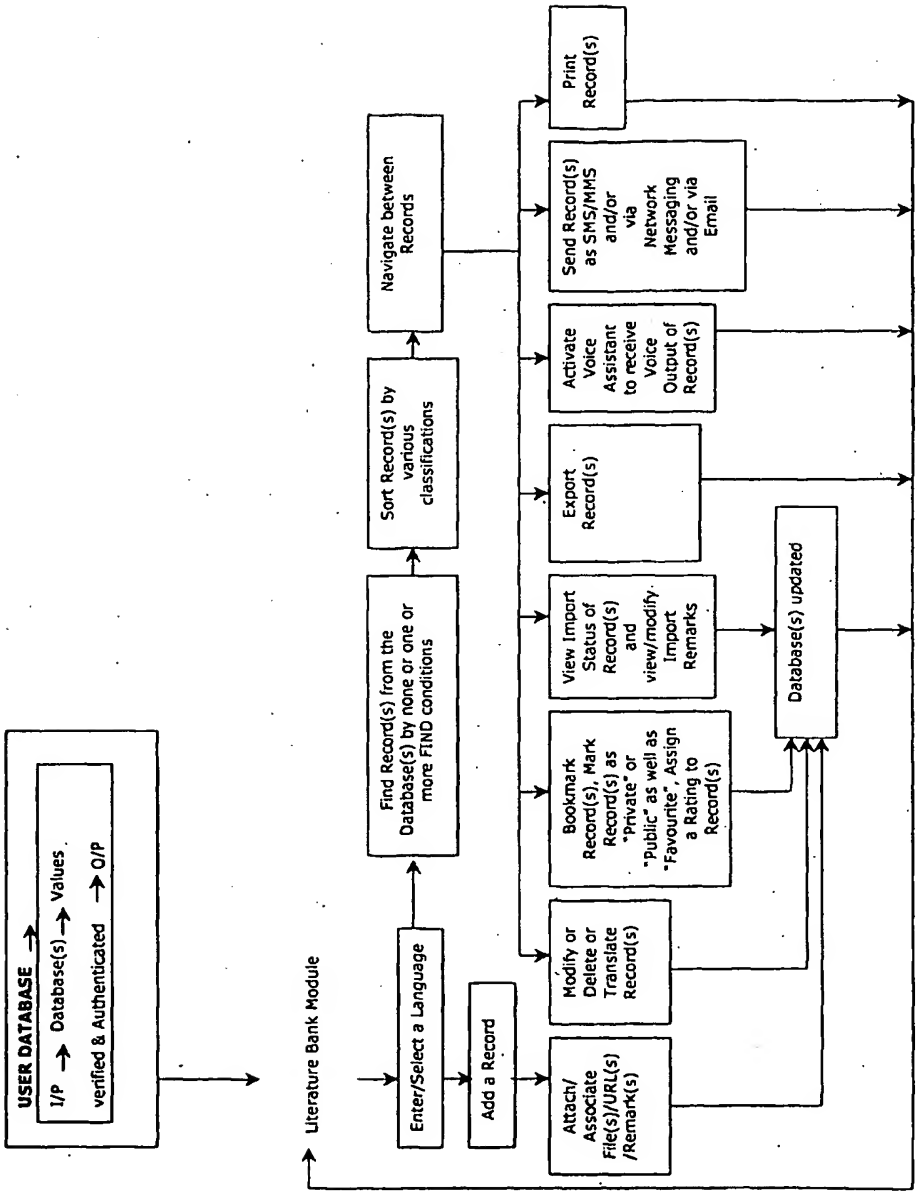


FIG 4


USER DATABASE
I/P → Database(s) → Values
verified & Authenticated → O/P
Literature Bank Module
Enter/Select a Language
Add a Record
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort Record(s) by various classifications
Navigate between Records
Attach/ Associate File(s)/URL(s) /Remark(s)
Modify or Delete or Translate Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public" as well as "Favourite", Assign a Rating to Record(s)
View Import Status of Record(s) and view/modify Import Remarks
Export Record(s)
Activate Voice Assistant to receive Voice Output of Record(s)
Send Record(s) as SMS/MMS and/or via Network Messaging and/or via Email
Print Record(s)
Database(s) updated

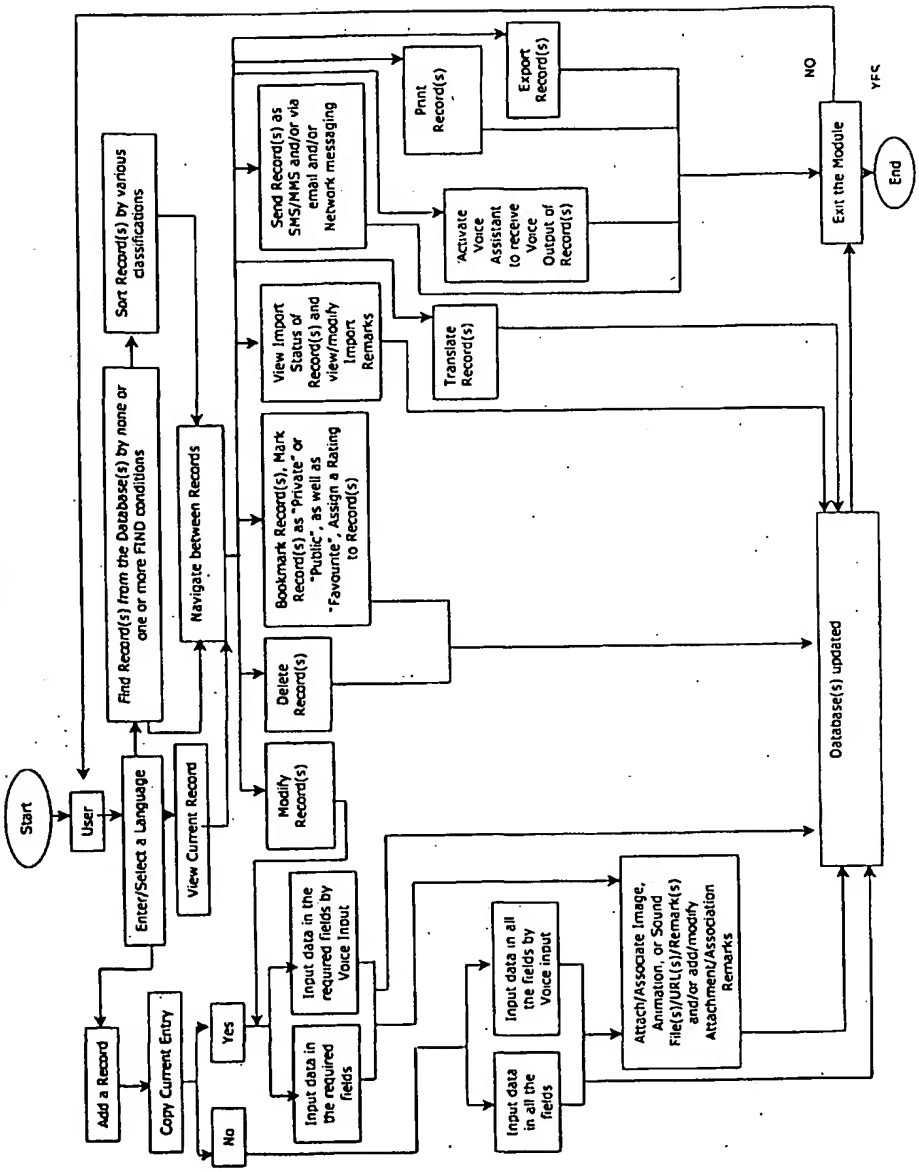

Start
User
Enter/Select a Language
Add a Record
Copy Current Entry
Yes
No
Input data in the required fields by Voice Input
Input data in the required fields
Input data in all the fields by Voice input
Input data in all the fields
Attach/Associate Image, Animation, or Sound File(s)/URL(s)/Remark(s) and/or add/modify Attachment/Association Remarks
View Current Record
Find Record(s) from the Database(s) by none or one or more FIND conditions
Sort Record(s) by various classifications
Navigate between Records
Modify Record(s)
Delete Record(s)
Bookmark Record(s), Mark Record(s) as "Private" or "Public", as well as "Favourite", Assign a Rating to Record(s)
View Import Status of Record(s) and view/modify Import Remarks
Translate Record(s)
Send Record(s) as SMS/MMS and/or via email and/or Network messaging
Activate Voice Assistant to receive Voice Output of Record(s)
Print Record(s)
Export Record(s)
Database(s) updated
Exit the Module
NO
YES
End

FIG 5

FIG 6

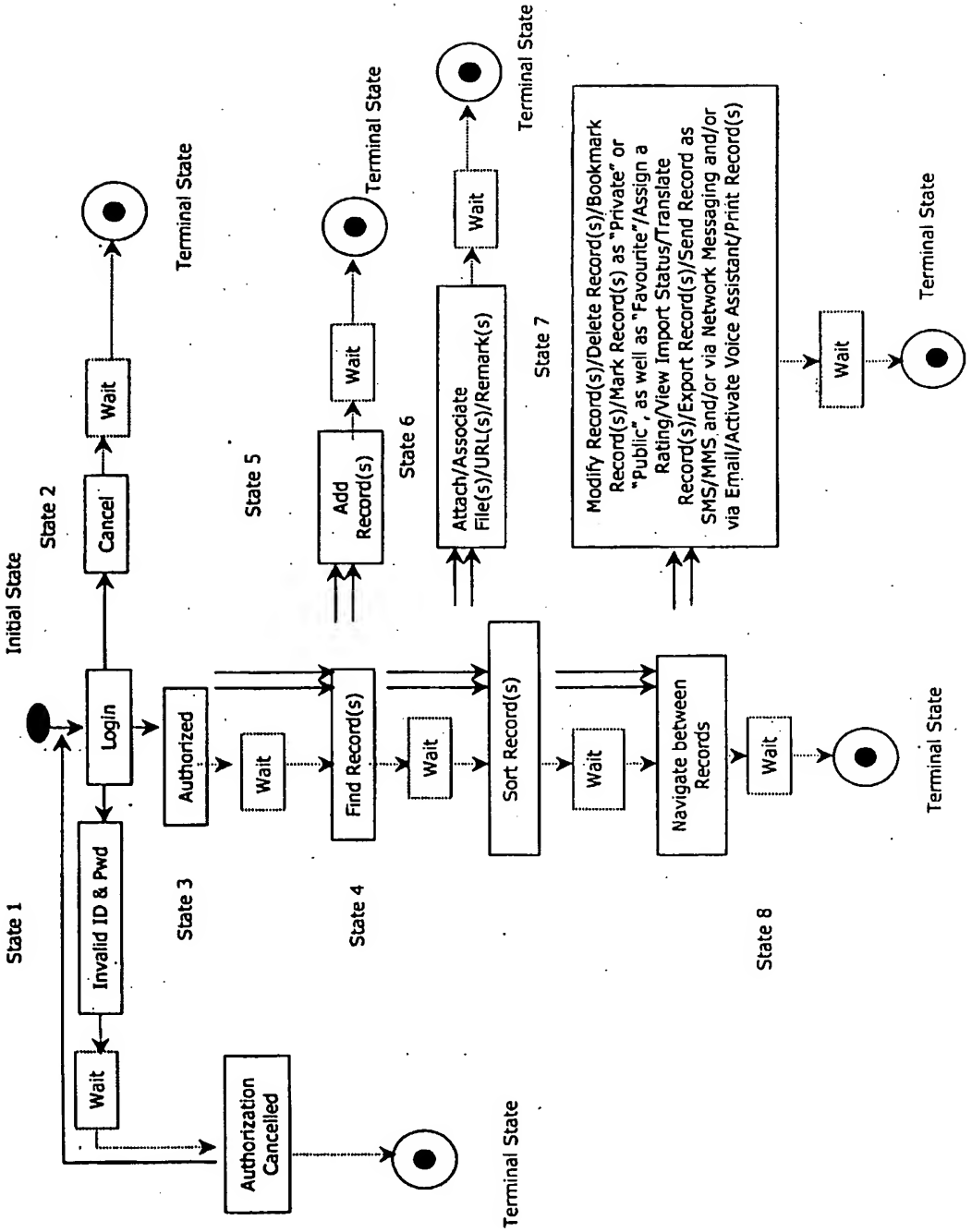

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
Find Record(s)
Wait
Sort Record(s)
Wait
Navigate between Records
Wait
Terminal State
State 4
State 5
Add Record(s)
Wait
Terminal State
State 6
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 7
Modify Record(s)/Delete Record(s)/Bookmark Record(s)/Mark Record(s) as "Private" or "Public", as well as "Favourite"/Assign a Rating/View Import Status/Translate Record(s)/Export Record(s)/Send Record as SMS/MMS and/or via Network Messaging and/or via Email/Activate Voice Assistant/Print Record(s)
Wait
Terminal State
State 8

FIG 7

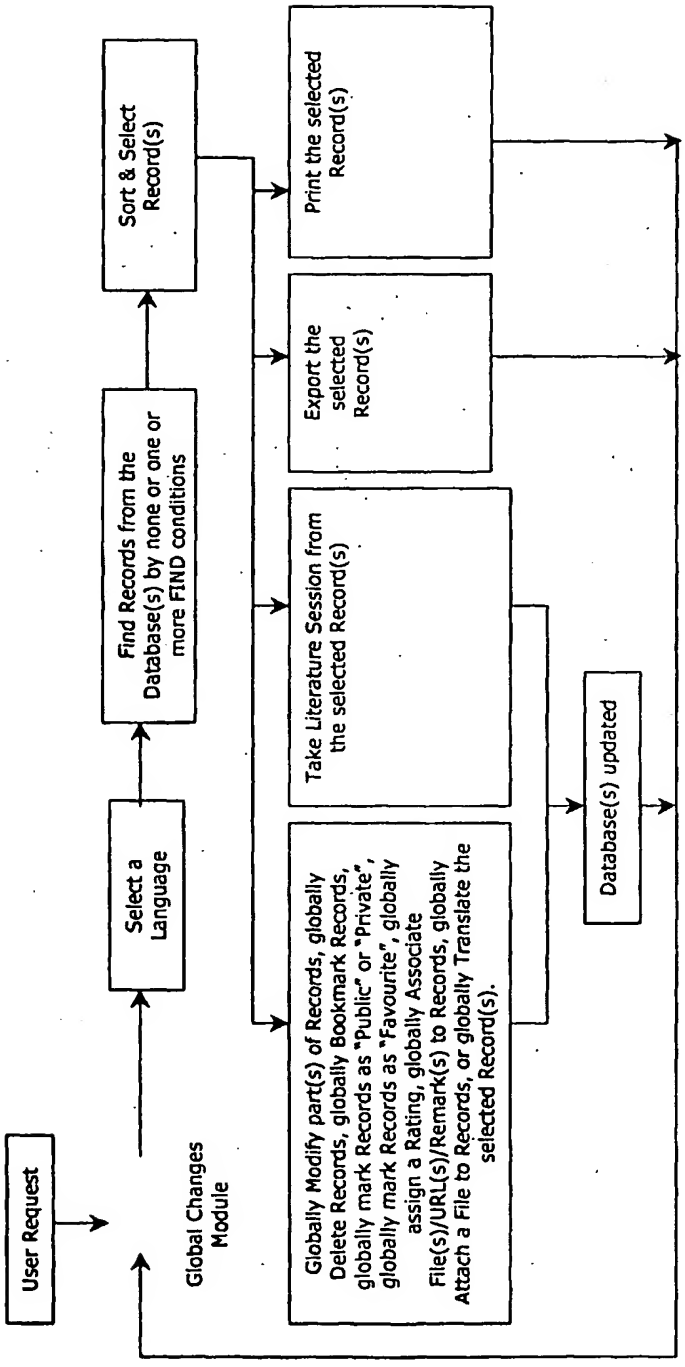

User Request
Global Changes Module
Select a Language
Find Records from the Database(s) by none or one or more FIND conditions
Sort & Select Record(s)
Globally Modify part(s) of Records, globally Delete Records, globally Bookmark Records, globally mark Records as "Public" or "Private", globally mark Records as "Favourite", globally assign a Rating, globally Associate File(s)/URL(s)/Remark(s) to Records, globally Attach a File to Records, or globally Translate the selected Record(s).
Take Literature Session from the selected Record(s)
Export the selected Record(s)
Print the selected Record(s)
Database(s) updated

FIG 8

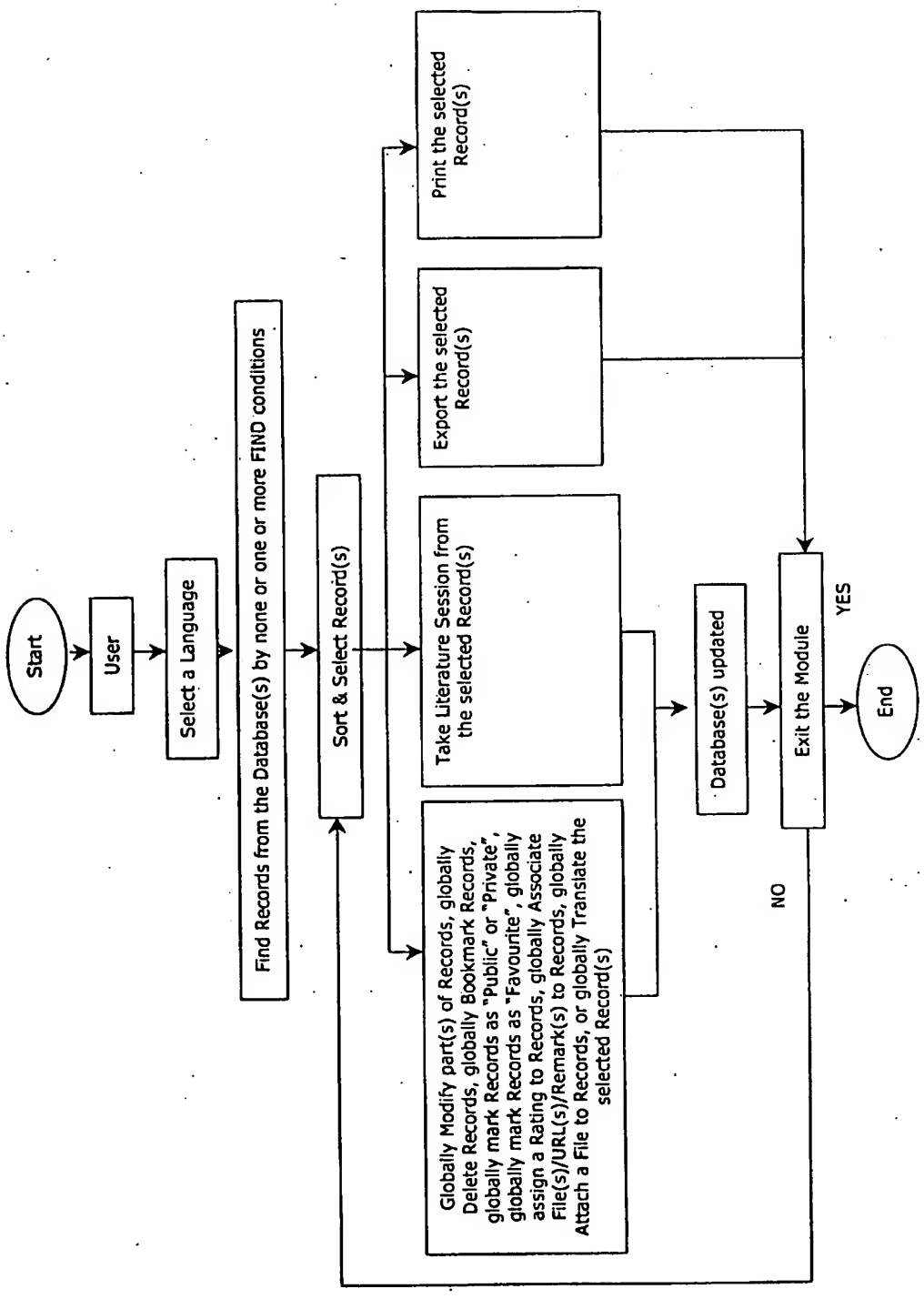

Start
User
Select a Language
Find Records from the Database(s) by none or one or more FIND conditions
Sort & Select Record(s)
Print the selected Record(s)
Export the selected Record(s)
Take Literature Session from the selected Record(s)
Globally Modify part(s) of Records, globally Delete Records, globally Bookmark Records, globally mark Records as "Public" or "Private", globally mark Records as "Favourite", globally assign a Rating to Records, globally Associate File(s)/URL(s)/Remark(s) to Records, globally Attach a File to Records, or globally Translate the selected Record(s)
Database(s) updated
Exit the Module
YES
NO
End

FIG 9

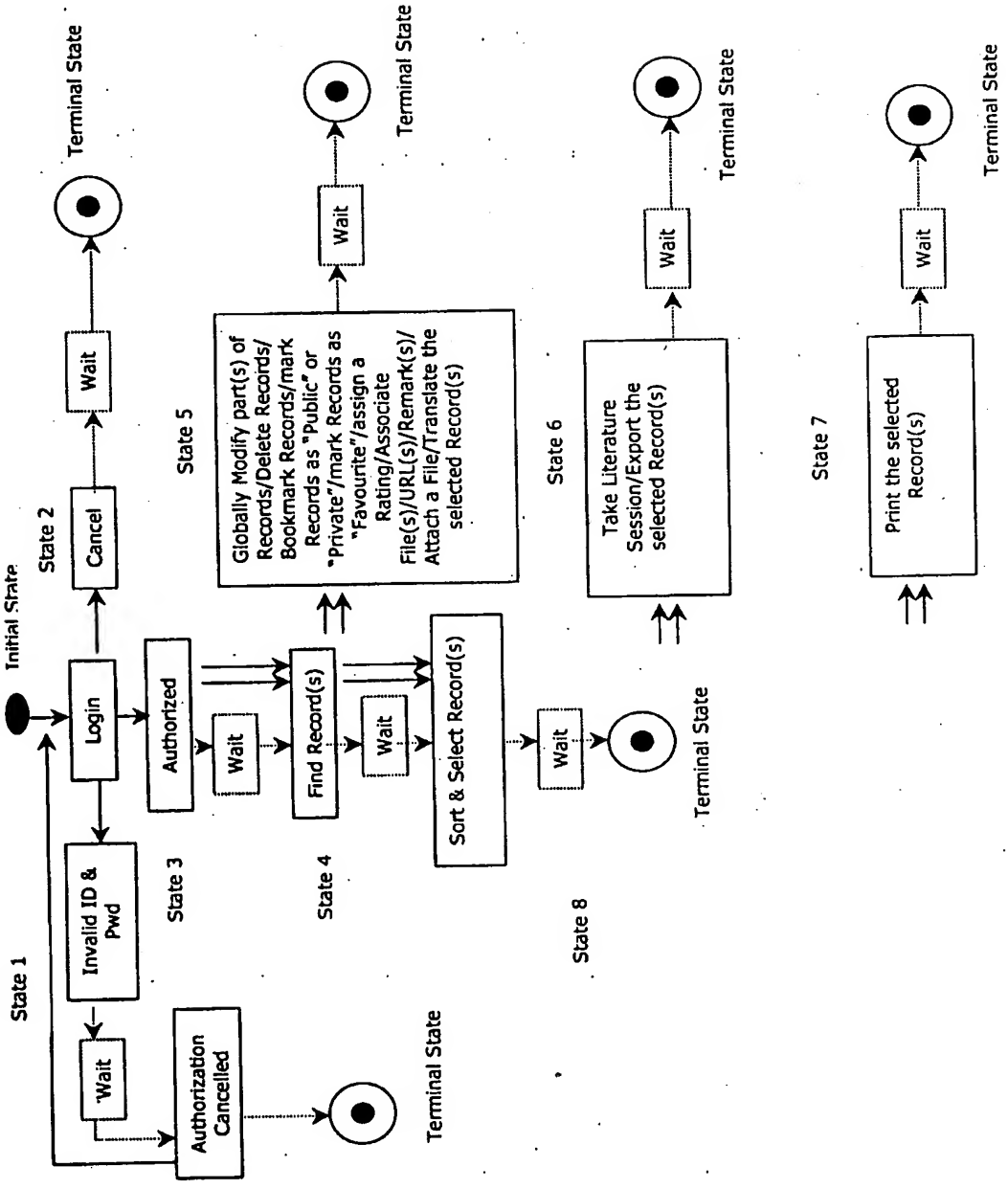

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Find Record(s)
Wait
Sort & Select Record(s)
Wait
Terminal State
State 5
Globally Modify part(s) of Records/Delete Records/ Bookmark Records/mark Records as "Public" or "Private"/mark Records as "Favourite"/assign a Rating/Associate File(s)/URL(s)/Remark(s)/ Attach a File/Translate the selected Record(s)
Wait
Terminal State
State 6
Take Literature Session/Export the selected Record(s)
Wait
Terminal State
State 7
Print the selected Record(s)
Wait
Terminal State
State 8

FIG 10

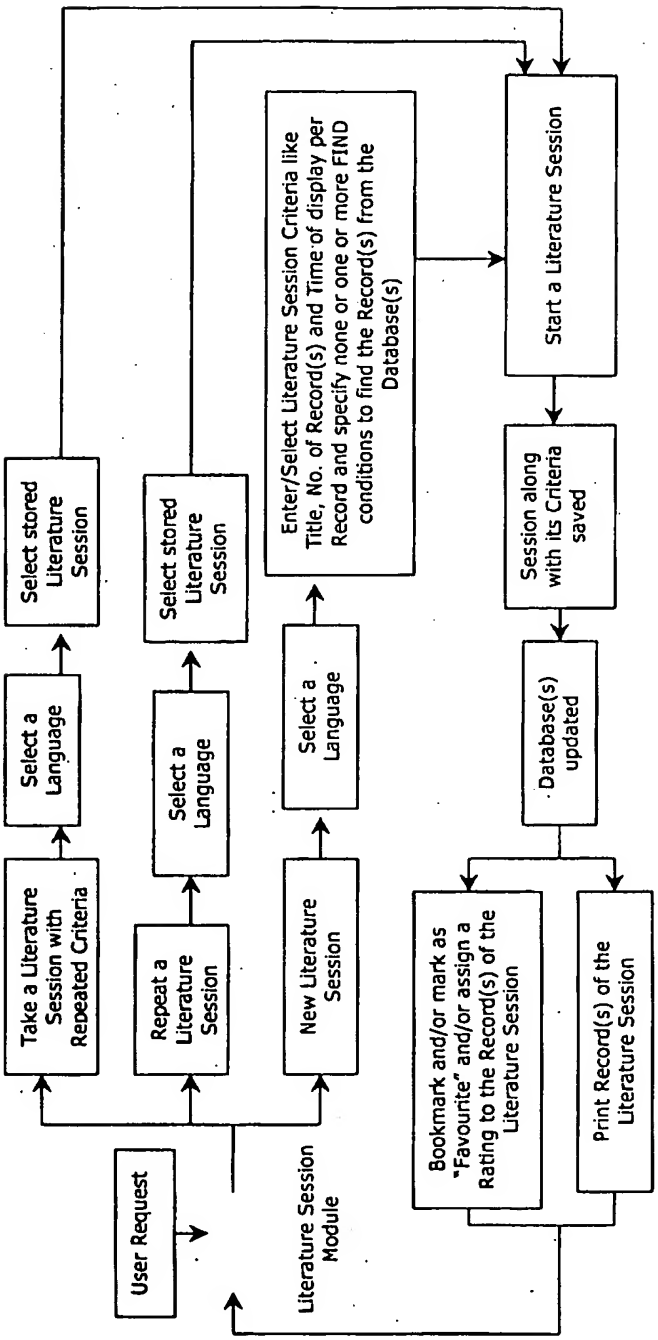

User Request
Literature Session Module
Take a Literature Session with Repeated Criteria
Repeat a Literature Session
New Literature Session
Select a Language
Select a Language
Select a Language
Select stored Literature Session
Select stored Literature Session
Enter/Select Literature Session Criteria like Title, No. of Record(s) and Time of display per Record and specify none or one or more FIND conditions to find the Record(s) from the Database(s)
Start a Literature Session
Session along with its Criteria saved
Database(s) updated
Bookmark and/or mark as "Favourite" and/or assign a Rating to the Record(s) of the Literature Session
Print Record(s) of the Literature Session

FIG 11

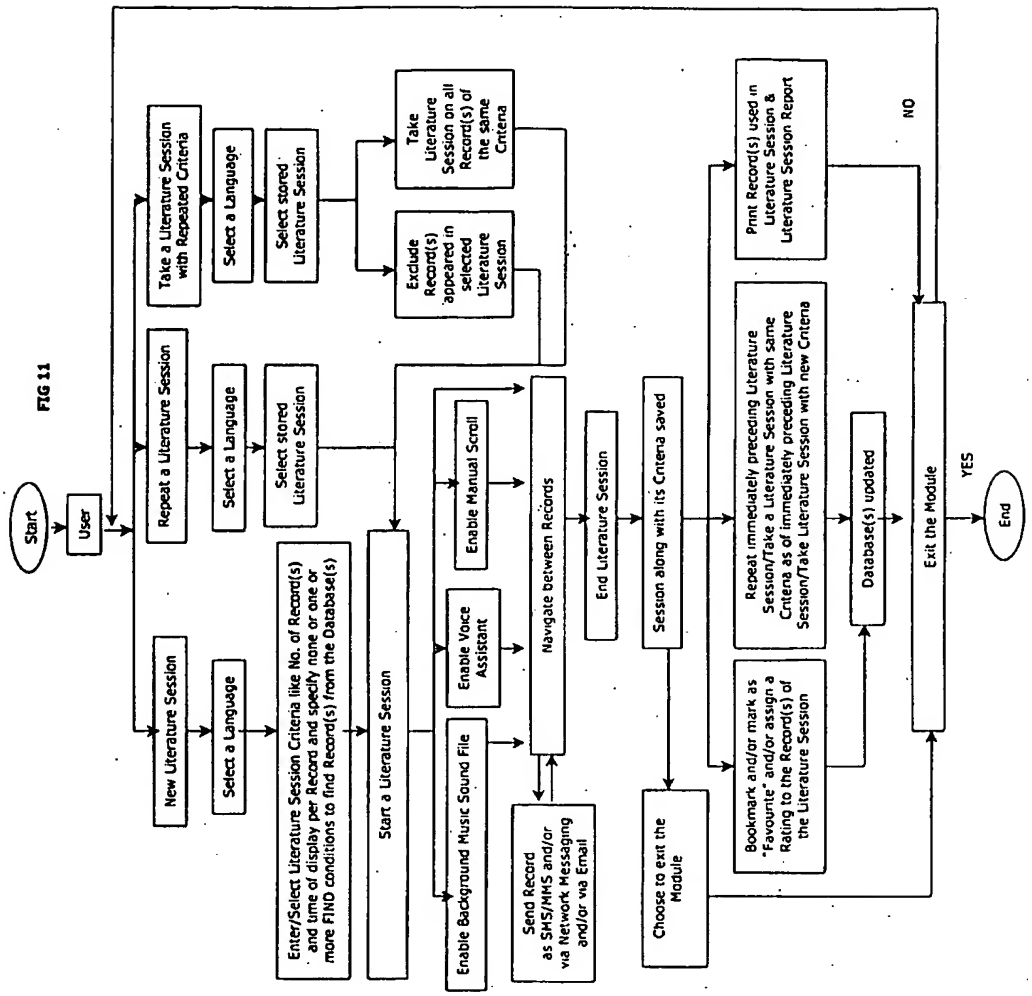

Start
User
New Literature Session
Select a Language
Enter/Select Literature Session Criteria like No. of Record(s) and time of display per Record and specify none or one or more FIND conditions to find Record(s) from the Database(s)
Repeat a Literature Session
Select a Language
Select stored Literature Session
Take a Literature Session with Repeated Criteria
Select a Language
Select stored Literature Session
Take Literature Session on all Record(s) of the same Criteria
Exclude Record(s) appeared in selected Literature Session
Start a Literature Session
Enable Background Music Sound File
Enable Voice Assistant
Enable Manual Scroll
Navigate between Records
Send Record as SMS/MMS and/or via Network Messaging and/or via Email
End Literature Session
Session along with its Criteria saved
Choose to exit the Module
Bookmark and/or mark as "Favourite" and/or assign a Rating to the Record(s) of the Literature Session
Repeat immediately preceding Literature Session/Take a Literature Session with same Criteria as of immediately preceding Literature Session/Take Literature Session with new Criteria
Print Record(s) used in Literature Session & Literature Session Report
Database(s) updated
NO
Exit the Module
YES
End

FIG 12

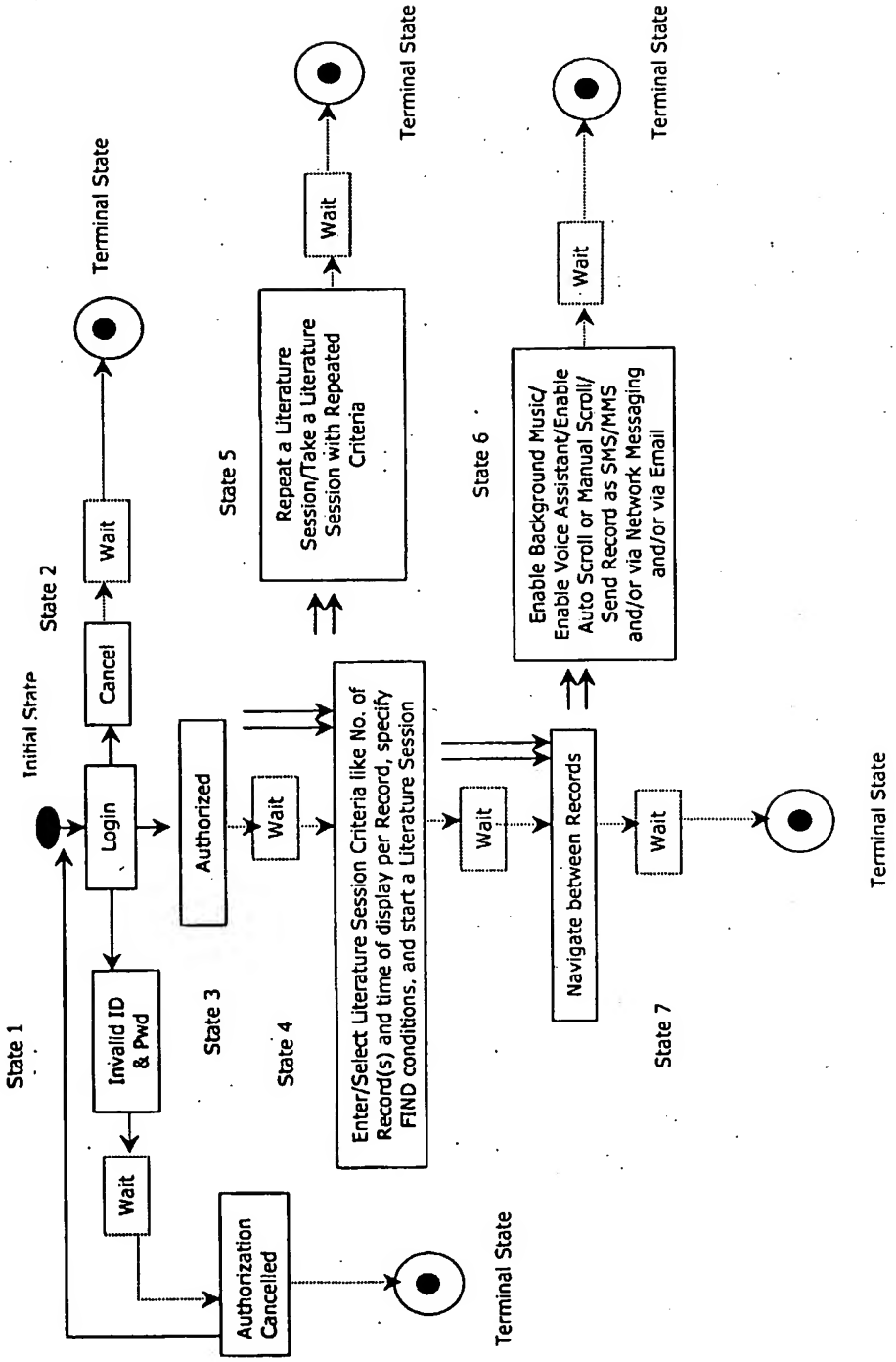

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
Cancel
State 2
Wait
Terminal State
Authorized
State 3
Wait
State 4
Enter/Select Literature Session Criteria like No. of Record(s) and time of display per Record, specify FIND conditions, and start a Literature Session
Wait
Navigate between Records
State 7
Wait
Terminal State
State 5
Repeat a Literature Session/Take a Literature Session with Repeated Criteria
Wait
Terminal State
State 6
Enable Background Music/ Enable Voice Assistant/Enable Auto Scroll or Manual Scroll/ Send Record as SMS/MMS and/or via Network Messaging and/or via Email
Wait
Terminal State

FIG 13

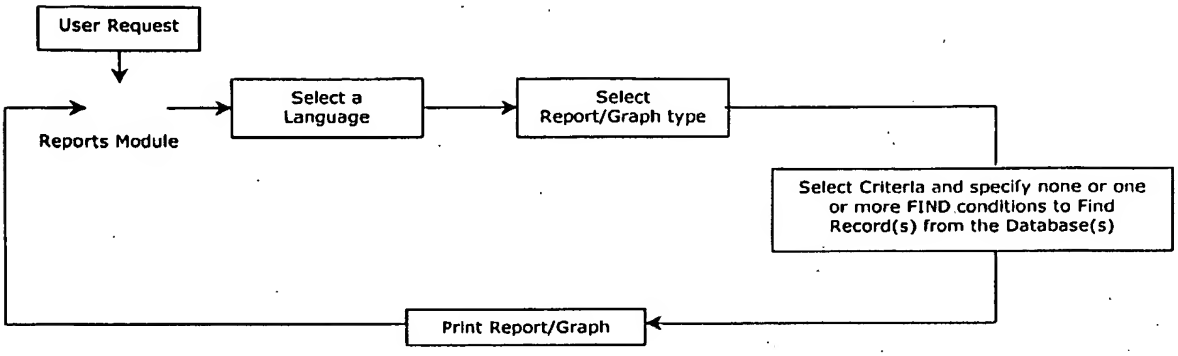

User Request
Reports Module
Select a Language
Select Report/Graph type
Select Criteria and specify none or one or more FIND conditions to Find Record(s) from the Database(s)
Print Report/Graph

FIG 14

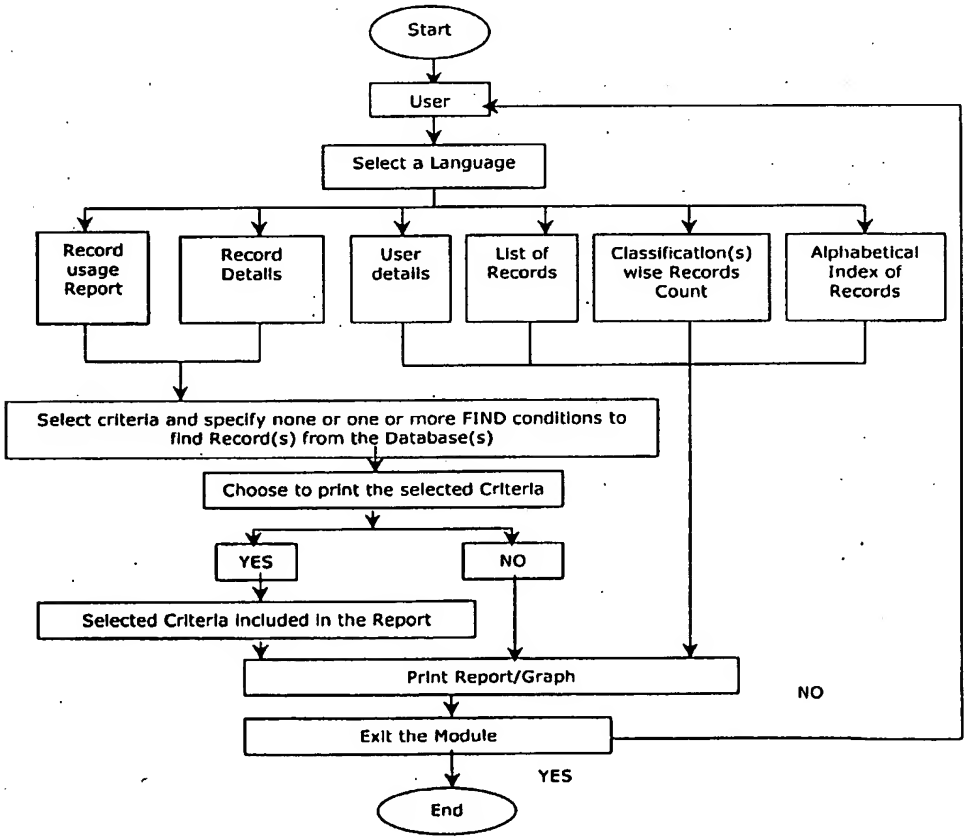

Start
User
Select a Language
Record usage Report
Record Details
User details
List of Records
Classification(s) wise Records Count
Alphabetical Index of Records
Select criteria and specify none or one or more FIND conditions to find Record(s) from the Database(s)
Choose to print the selected Criteria
YES
NO
Selected Criteria included in the Report
Print Report/Graph
NO
Exit the Module
YES
End

FIG 15

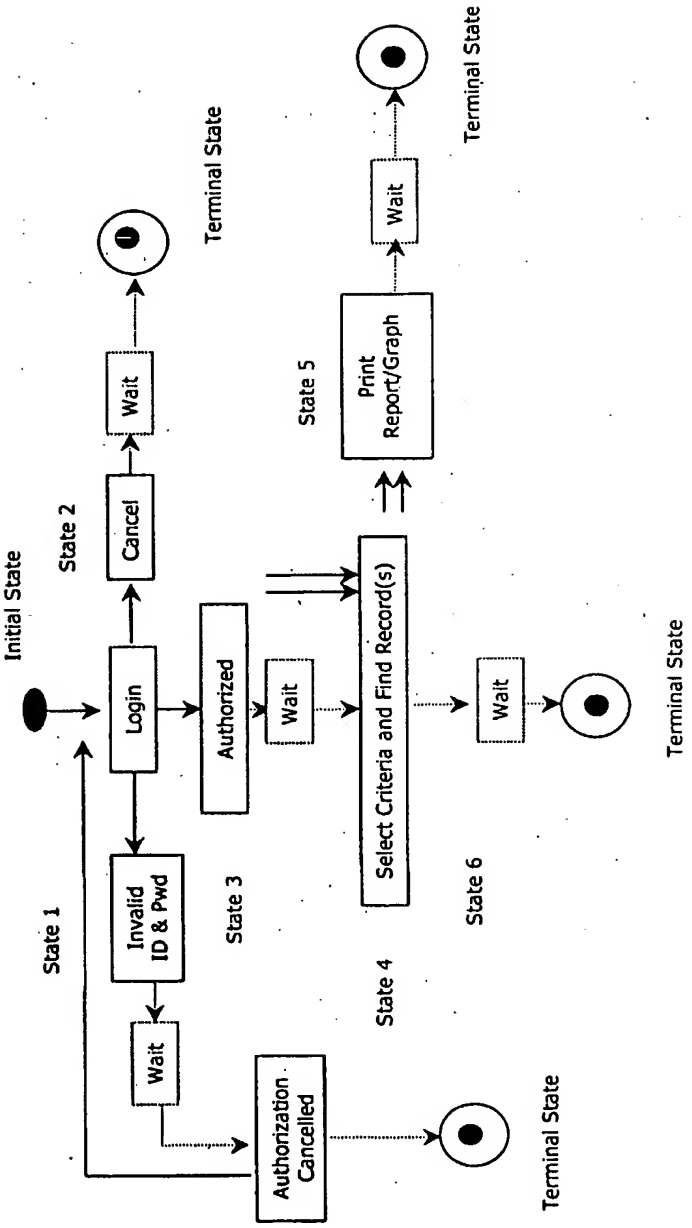

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Select Criteria and Find Record(s)
State 5
Print Report/Graph
Wait
Terminal State
State 6
Wait
Terminal State

FIG 16

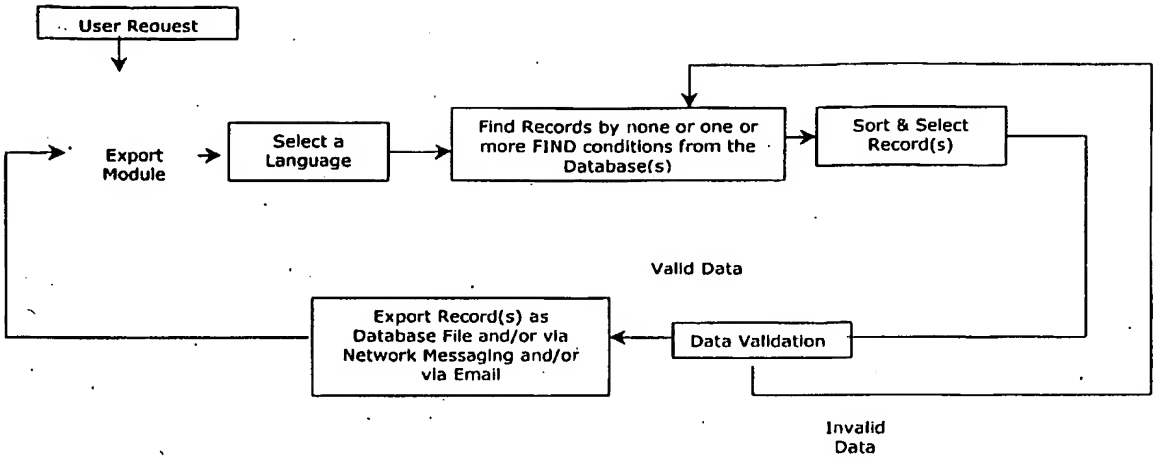

User Request
Export Module
Select a Language
Find Records by none or one or more FIND conditions from the Database(s)
Sort & Select Record(s)
Valid Data
Export Record(s) as Database File and/or via Network Messaging and/or via Email
Data Validation
Invalid Data

FIG 17

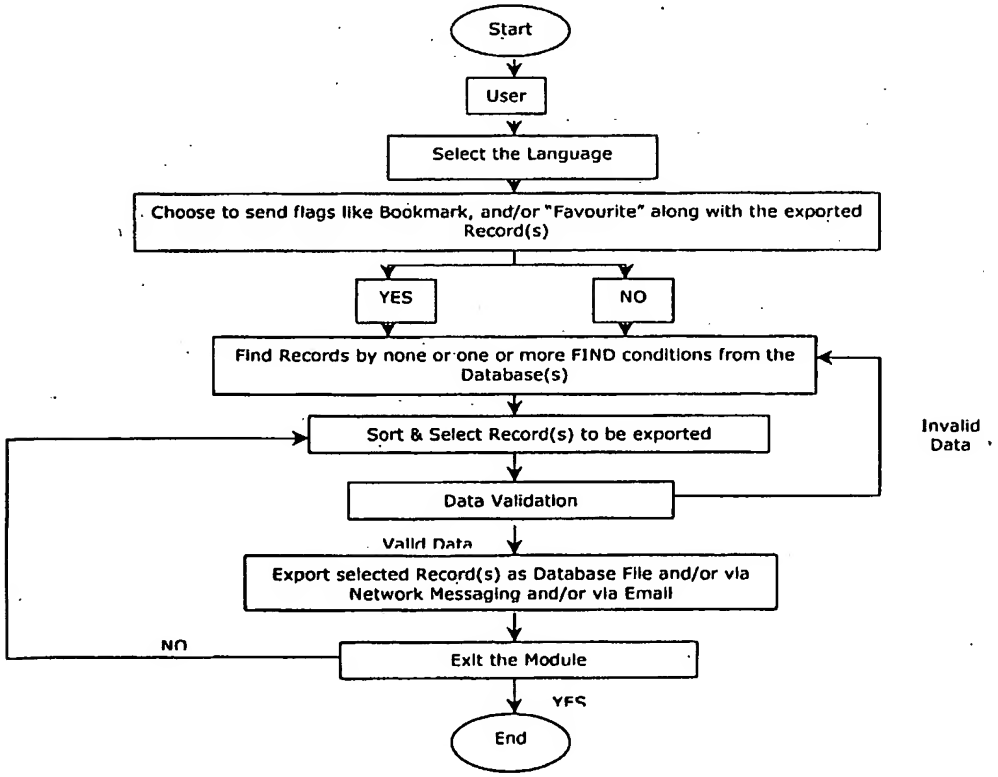

Start
User
Select the Language
Choose to send flags like Bookmark, and/or "Favourite" along with the exported Record(s)
YES
NO
Find Records by none or one or more FIND conditions from the Database(s)
Sort & Select Record(s) to be exported
Invalid Data
Data Validation
Valid Data
Export selected Record(s) as Database File and/or via Network Messaging and/or via Email
NO
Exit the Module
YES
End

FIG 18

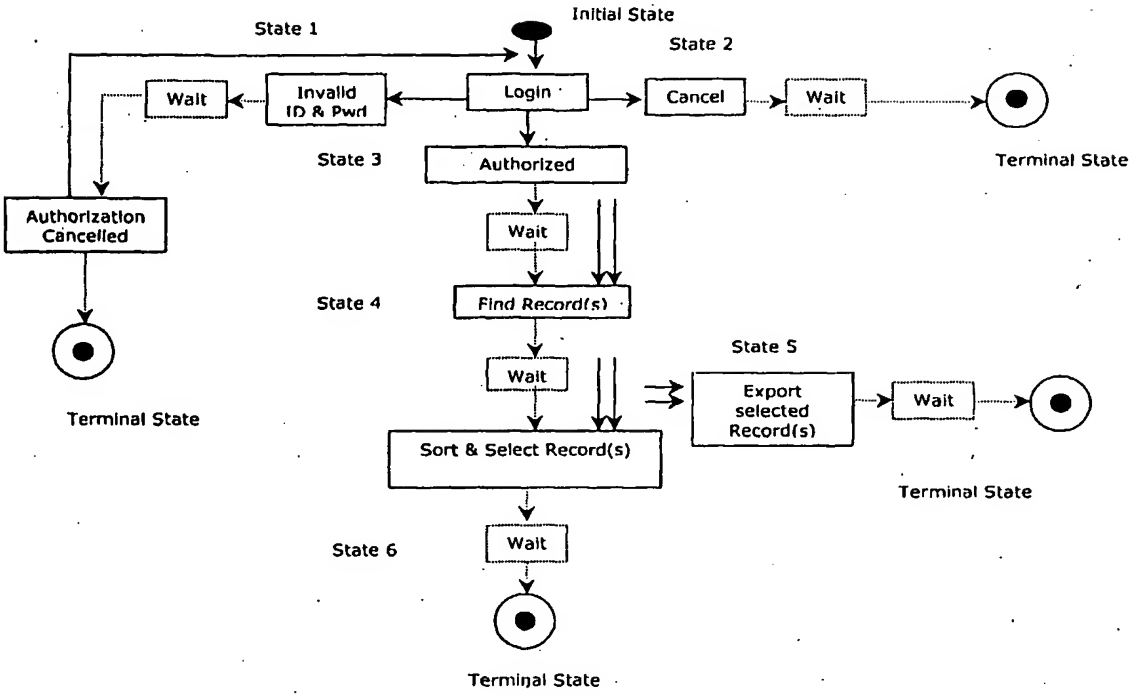

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Record(s)
Terminal State
Wait
State 5
Export selected Record(s)
Wait
Sort & Select Record(s)
Terminal State
State 6
Wait
Terminal State

FIG 19

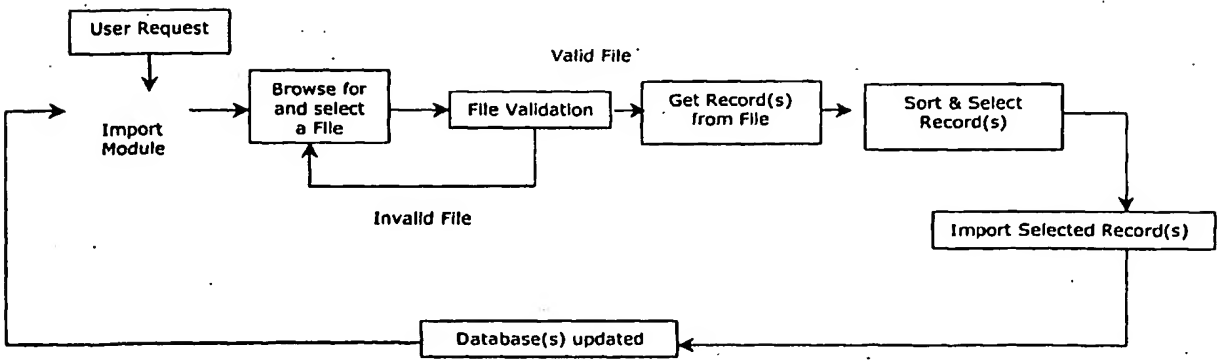

User Request
Import Module
Browse for and select a File
Valid File
File Validation
Get Record(s) from File
Sort & Select Record(s)
Invalid File
Import Selected Record(s)
Database(s) updated

FIG 20

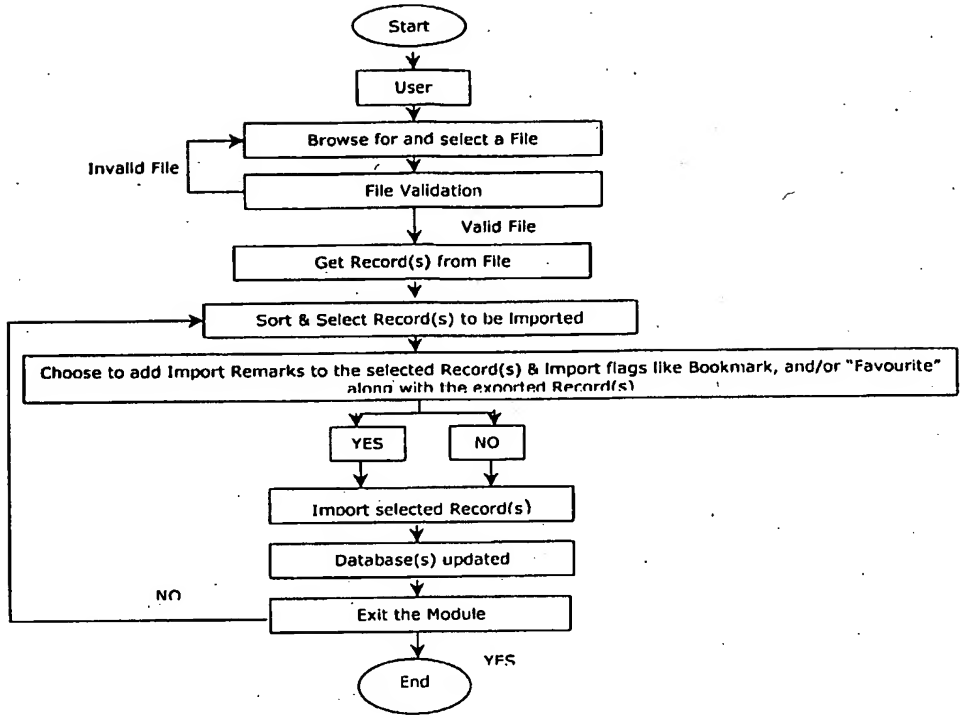

Start
User
Browse for and select a File
Invalid File
File Validation
Valid File
Get Record(s) from File
Sort & Select Record(s) to be Imported
Choose to add Import Remarks to the selected Record(s) & Import flags like Bookmark, and/or "Favourite" along with the exported Record(s)
YES
NO
Import selected Record(s)
Database(s) updated
NO
Exit the Module
YES
End

FIG 21

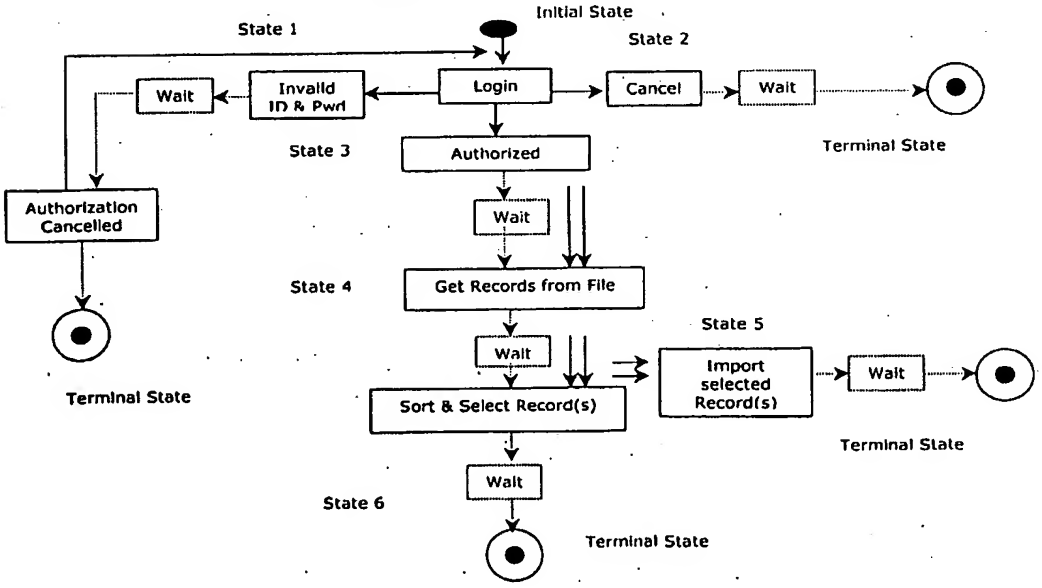

Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Get Records from File
State 5
Wait
Import selected Record(s)
Wait
Terminal State
Terminal State
Sort & Select Record(s)
Wait
State 6
Terminal State

FIG 22

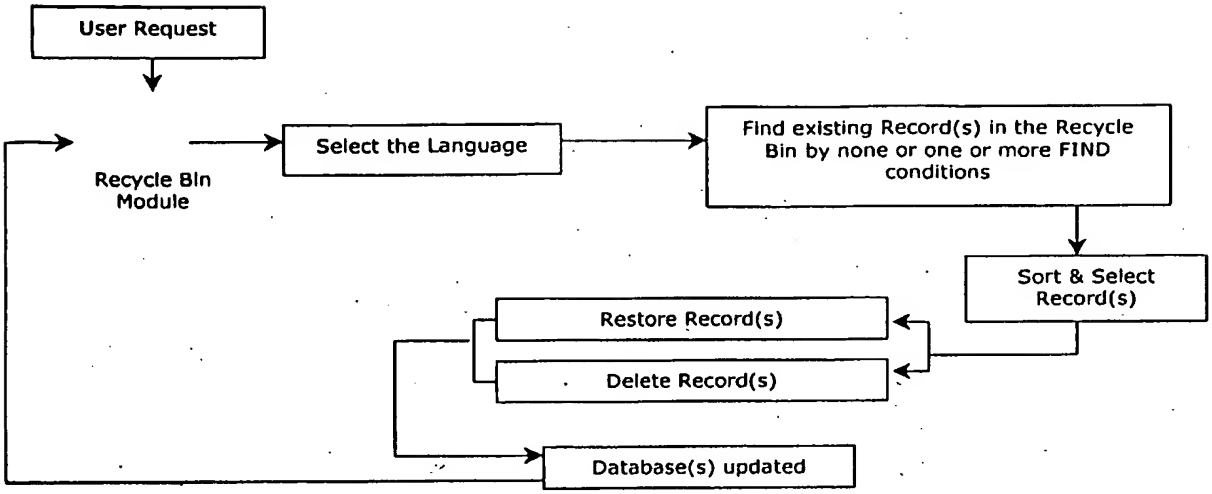

User Request
Recycle Bin Module
Select the Language
Find existing Record(s) in the Recycle Bin by none or one or more FIND conditions
Sort & Select Record(s)
Restore Record(s)
Delete Record(s)
Database(s) updated

FIG 23

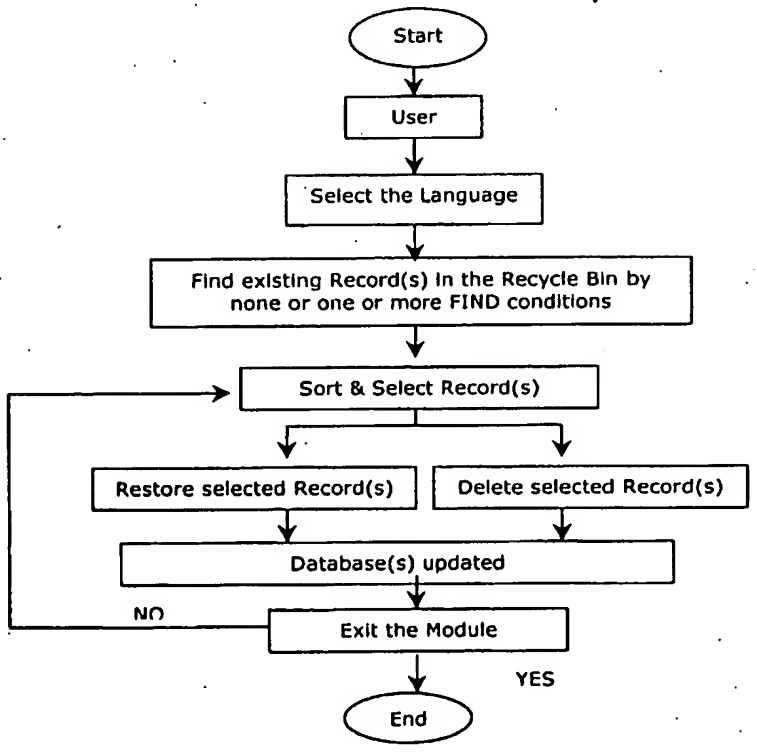

Start
User
Select the Language
Find existing Record(s) in the Recycle Bin by none or one or more FIND conditions
Sort & Select Record(s)
Restore selected Record(s)
Delete selected Record(s)
Database(s) updated
NO
Exit the Module
YES
End

FIG 24

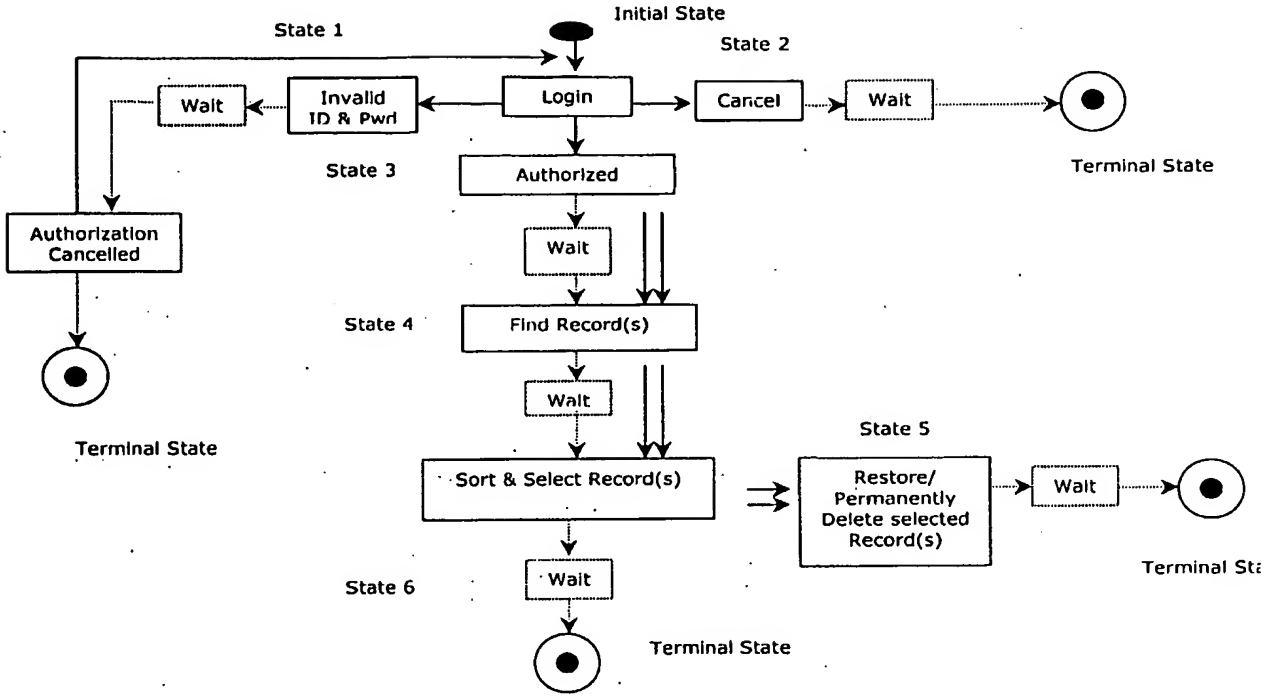

Initial State
State 1
State 2
Login
Invalid ID & Pwd
Wait
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 4
Find Record(s)
Wait
Terminal State
State 5
Sort & Select Record(s)
Restore/ Permanently Delete selected Record(s)
Wait
Terminal St
State 6
Wait
Terminal State

FIG 25

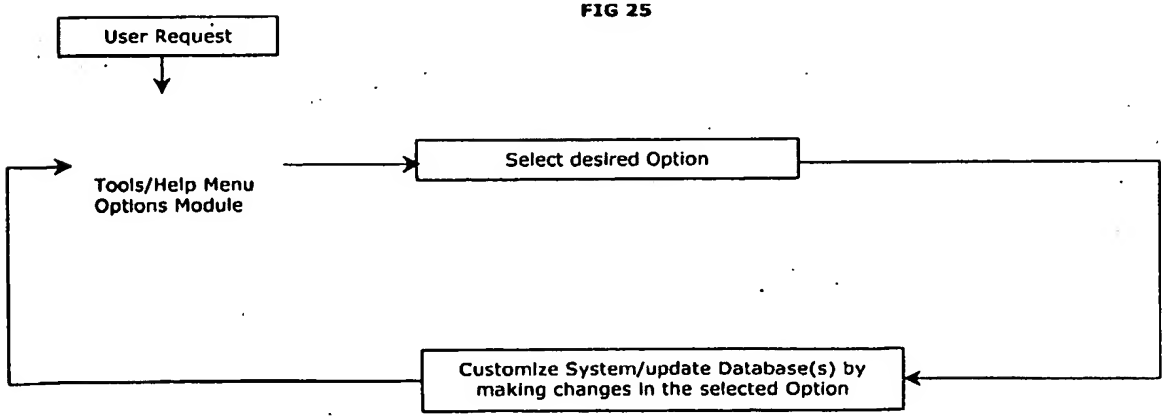

User Request
Tools/Help Menu Options Module
Select desired Option
Customize System/update Database(s) by making changes in the selected Option

FIG 26

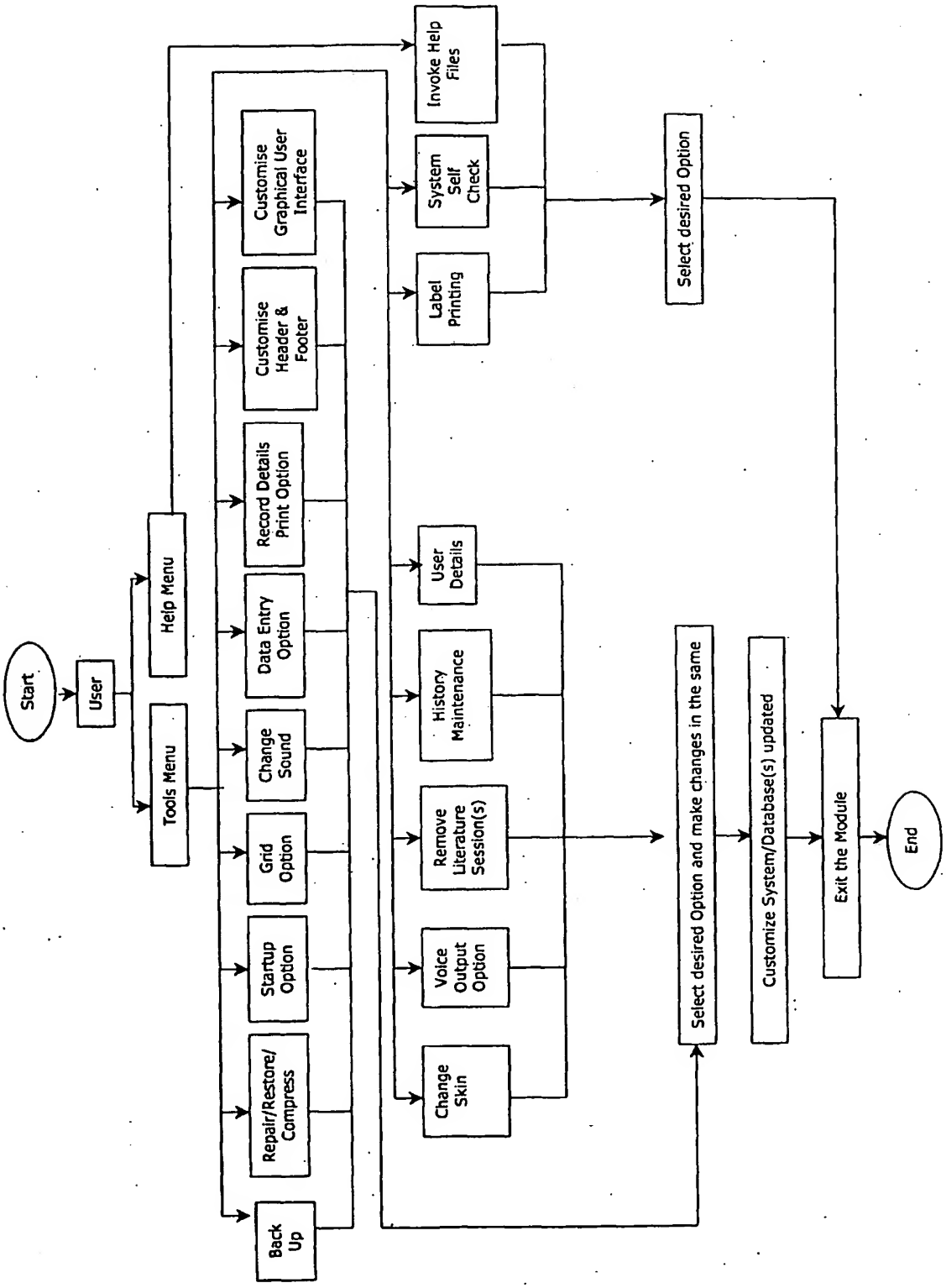
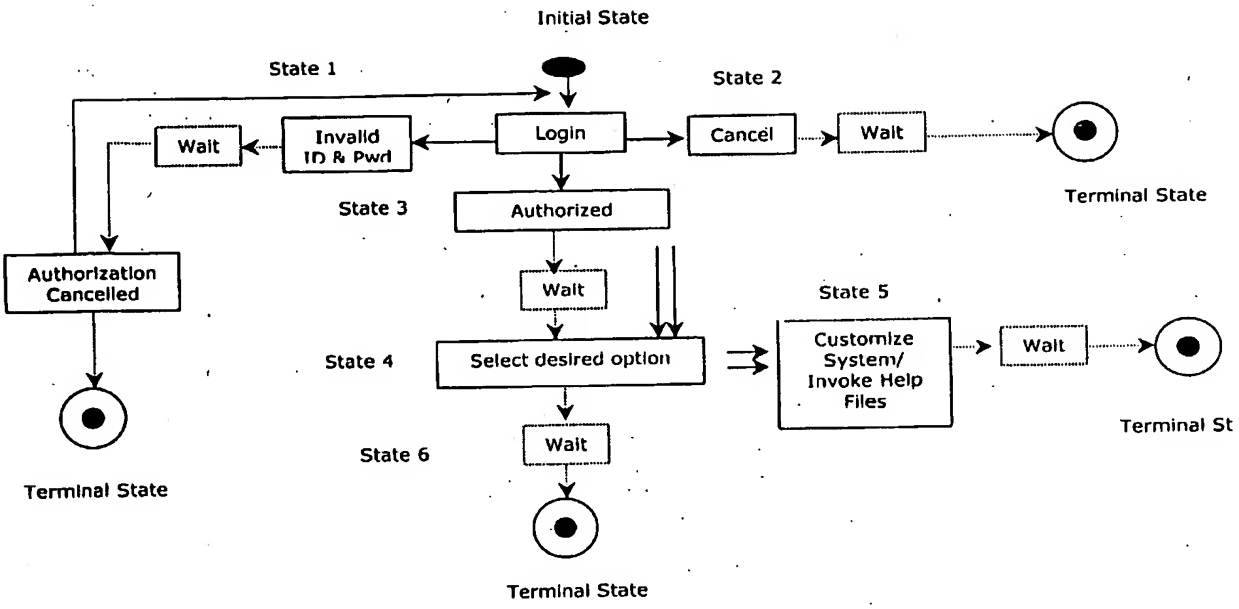

Start
User
Help Menu
Tools Menu
Back Up
Repair/Restore/ Compress
Startup Option
Grid Option
Change Sound
Data Entry Option
Record Details Print Option
Customise Header & Footer
Customise Graphical User Interface
Invoke Help Files
System Self Check
Label Printing
User Details
History Maintenance
Remove Literature Session(s)
Voice Output Option
Change Skin
Select desired Option
Select desired Option and make changes in the same
Customize System/Database(s) updated
Exit the Module
End

FIG 27


Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Select desired option
Customize System/ Invoke Help Files
Wait
Terminal St
State 6
Wait
Terminal State
Terminal State

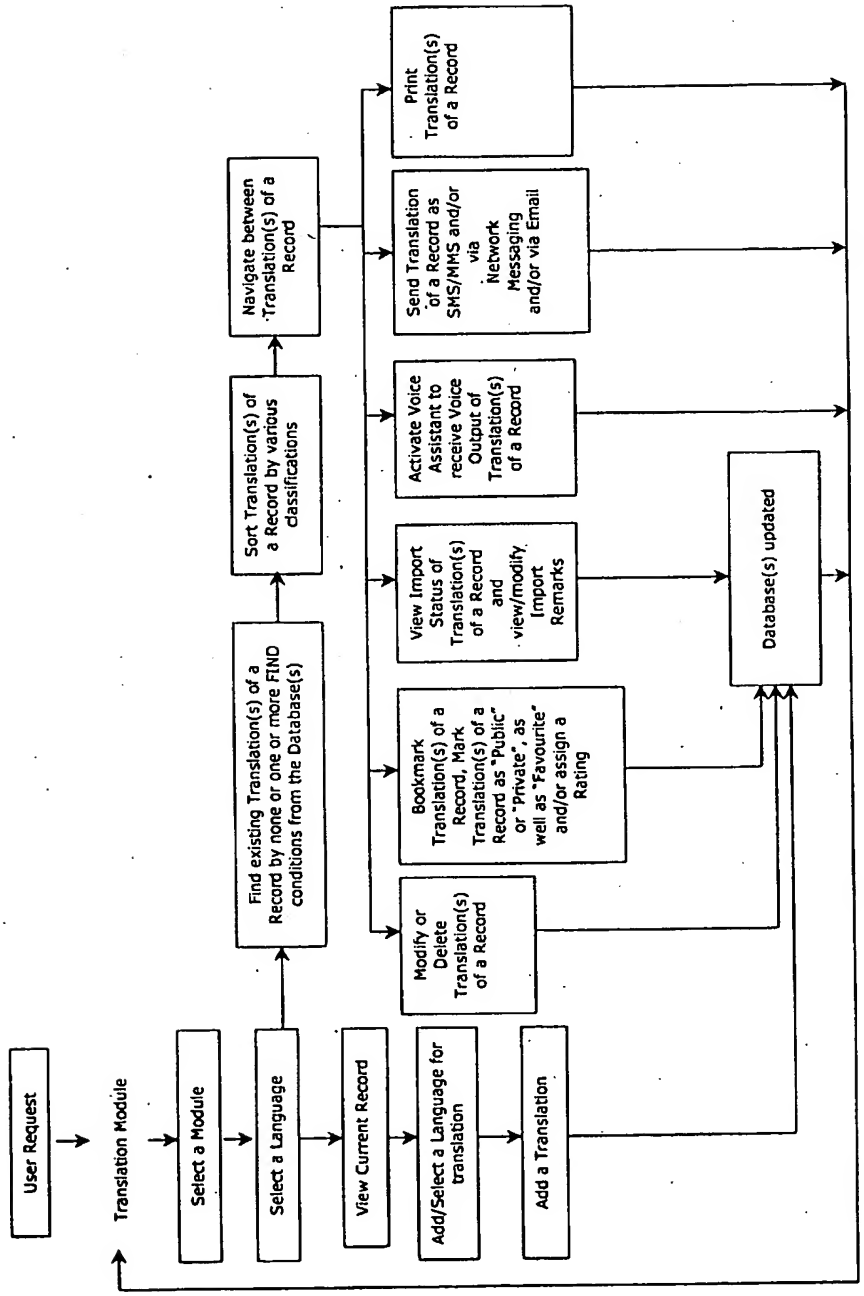

User Request
Translation Module
Select a Module
Select a Language
View Current Record
Add/Select a Language for translation
Add a Translation
Find existing Translation(s) of a Record by none or one or more FIND conditions from the Database(s)
Modify or Delete Translation(s) of a Record
Bookmark Translation(s) of a Record, Mark Translation(s) of a Record as "Public" or "Private", as well as "Favourite" and/or assign a Rating
View Import Status of Translation(s) of a Record and view/modify Import Remarks
Sort Translation(s) of a Record by various classifications
Navigate between Translation(s) of a Record
Activate Voice Assistant to receive Voice Output of Translation(s) of a Record
Send Translation of a Record as SMS/MMS and/or via Network Messaging and/or via Email
Print Translation(s) of a Record
Database(s) updated

FIG 28

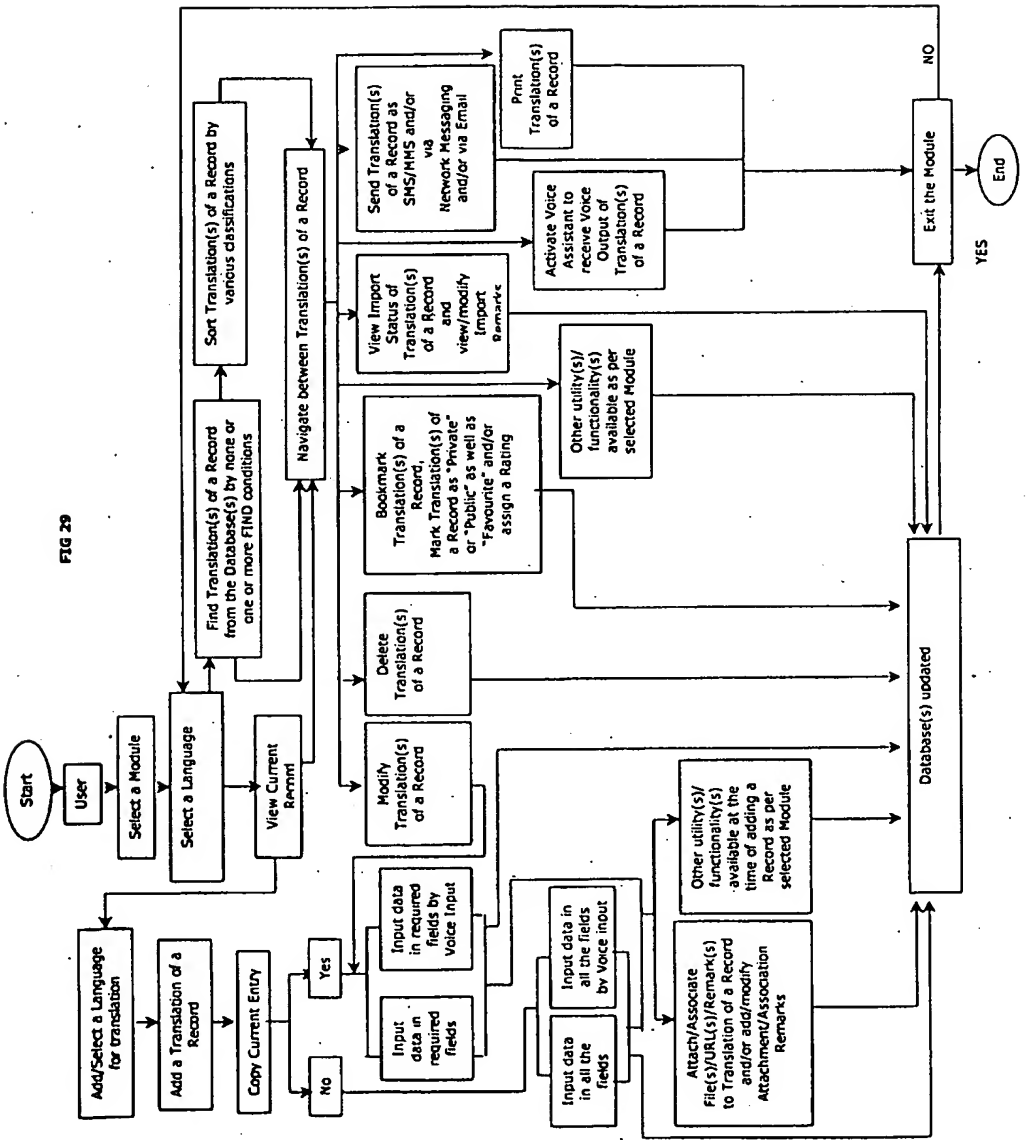

Start
User
Select a Module
Select a Language
View Current Remnt
Find Translation(s) of a Record from the Database(s) by none or one or more FIND conditions
Sort Translation(s) of a Record by various classifications
Navigate between Translation(s) of a Record
Add/Select a Language for translation
Add a Translation of a Record
Copy Current Entry
Yes
No
Input data in required fields by Voice Input
Input data in required fields
Input data in all the fields by Voice input
Input data in all the fields
Modify Translation(s) of a Record
Delete Translation(s) of a Record
Bookmark Translation(s) of a Record, Mark Translation(s) of a Record as "Private" or "Public" as well as "Favourite" and/or assign a Rating
View Import Status of Translation(s) of a Record and view/modify Import Remarks
Send Translation(s) of a Record as SMS/MMS and/or via Network Messaging and/or via Email
Print Translation(s) of a Record
Activate Voice Assistant to receive Voice Output of Translation(s) of a Record
Other utility(s)/ functionality(s) available as per selected Module
Other utility(s)/ functionality(s) available at the time of adding a Record as per selected Module
Attach/Associate File(s)/URL(s)/Remark(s) to Translation of a Record and/or add/modify Attachment/Association Remarks
Database(s) updated
Exit the Module
NO
YES
End

FIG 29

FIG 30

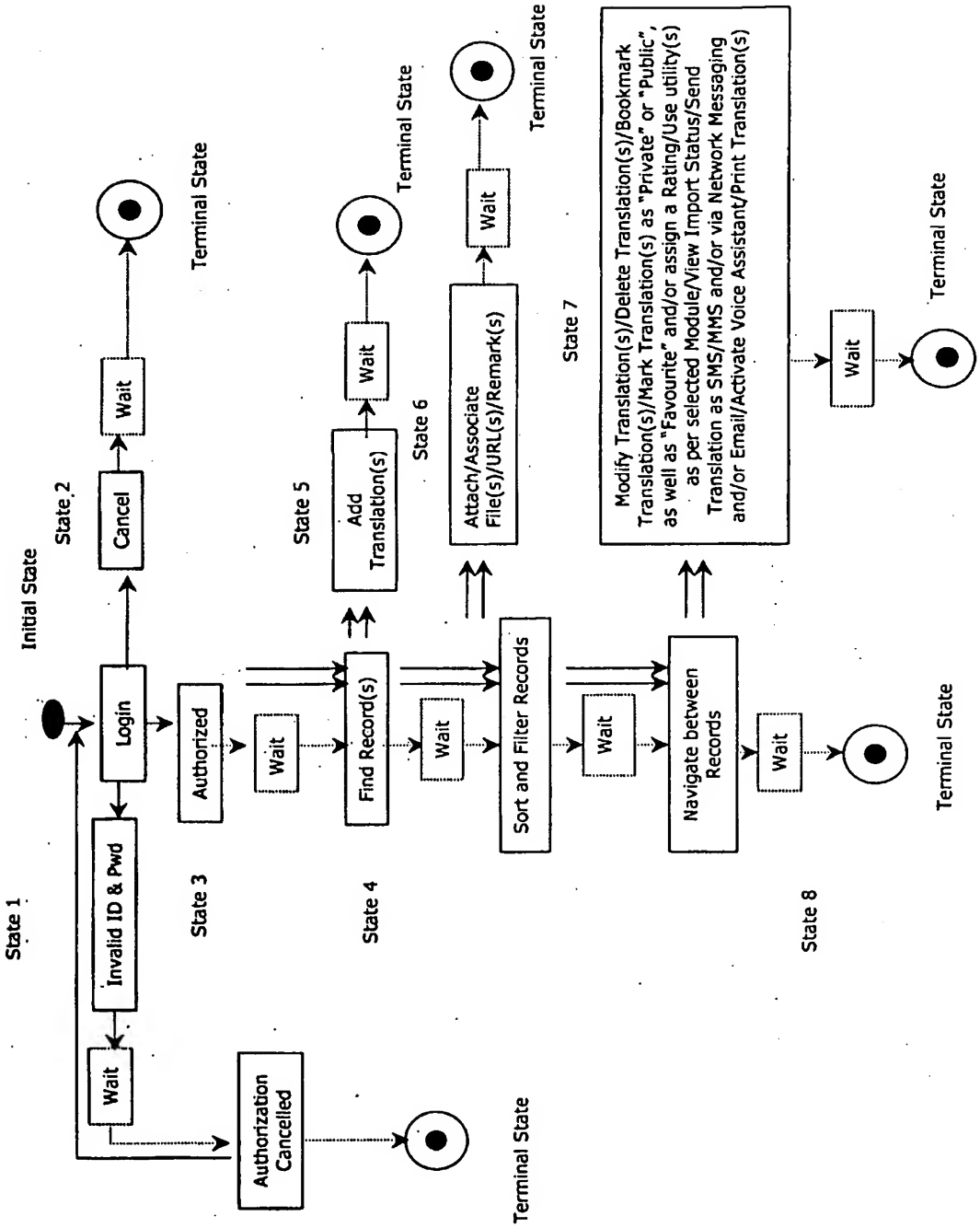

Initial State
State 1
Login
Invalid ID & Pwd
Wait
Authorization Cancelled
Terminal State
State 2
Cancel
Wait
Terminal State
State 3
Authorized
Wait
State 4
Find Record(s)
Wait
State 5
Add Translation(s)
Wait
Terminal State
State 6
Attach/Associate File(s)/URL(s)/Remark(s)
Wait
Terminal State
State 7
Sort and Filter Records
Wait
Navigate between Records
Wait
State 8
Terminal State
Modify Translation(s)/Delete Translation(s)/Bookmark Translation(s)/Mark Translation(s) as "Private" or "Public", as well as "Favourite" and/or assign a Rating/Use utility(s) as per selected Module/View Import Status/Send Translation as SMS/MMS and/or via Network Messaging and/or Email/Activate Voice Assistant/Print Translation(s)
Wait
Terminal State

FIG 31

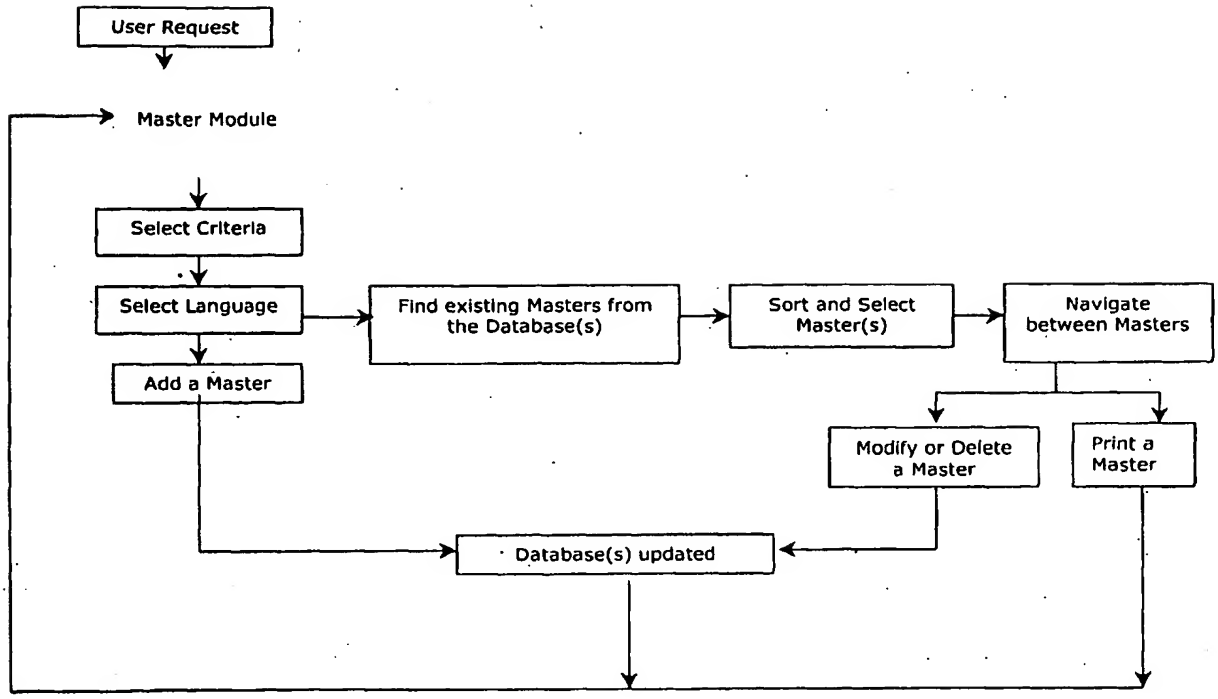

User Request
Master Module
Select Criteria
Select Language
Add a Master
Find existing Masters from the Database(s)
Sort and Select Master(s)
Navigate between Masters
Modify or Delete a Master
Print a Master
Database(s) updated

FIG 32

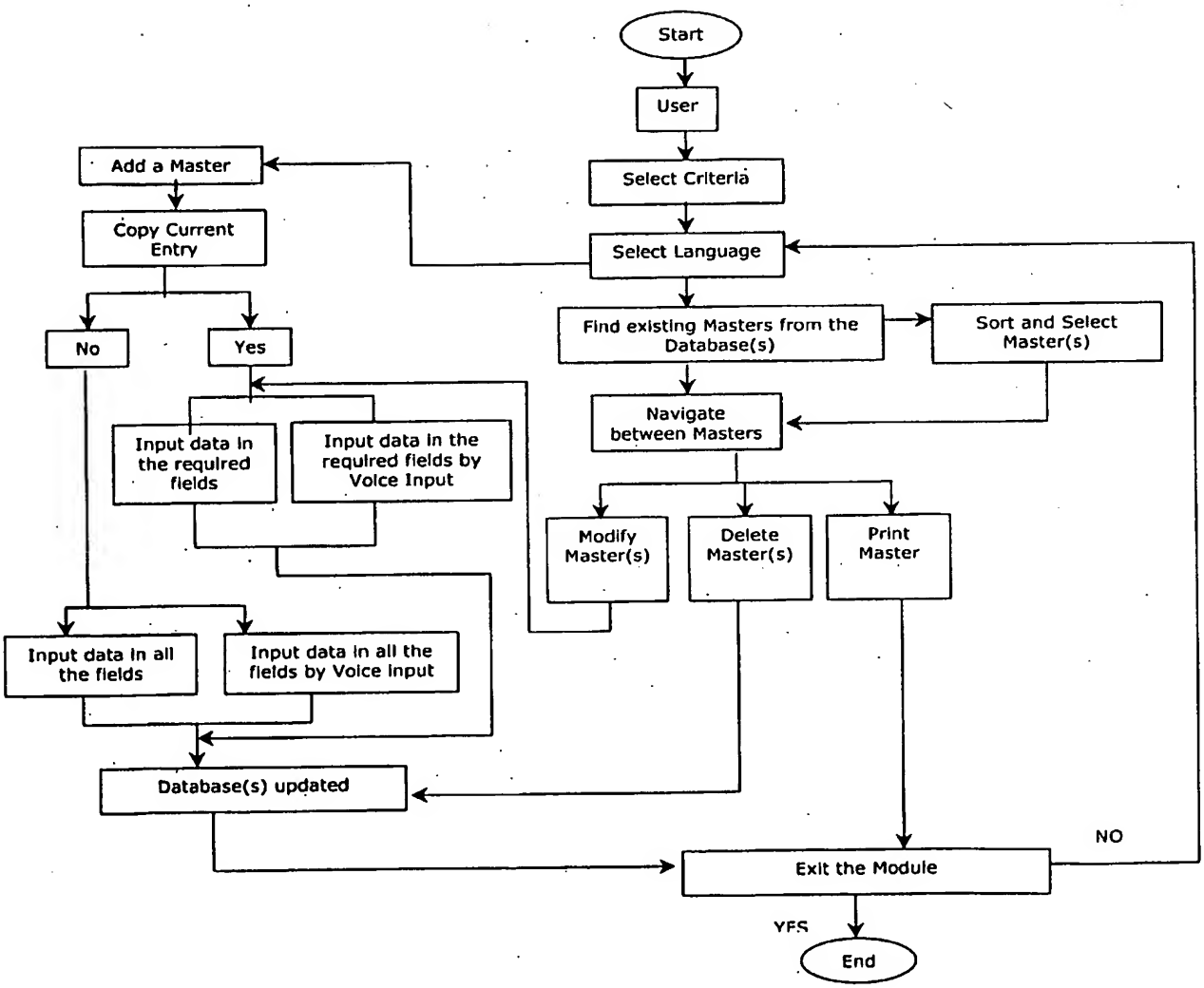
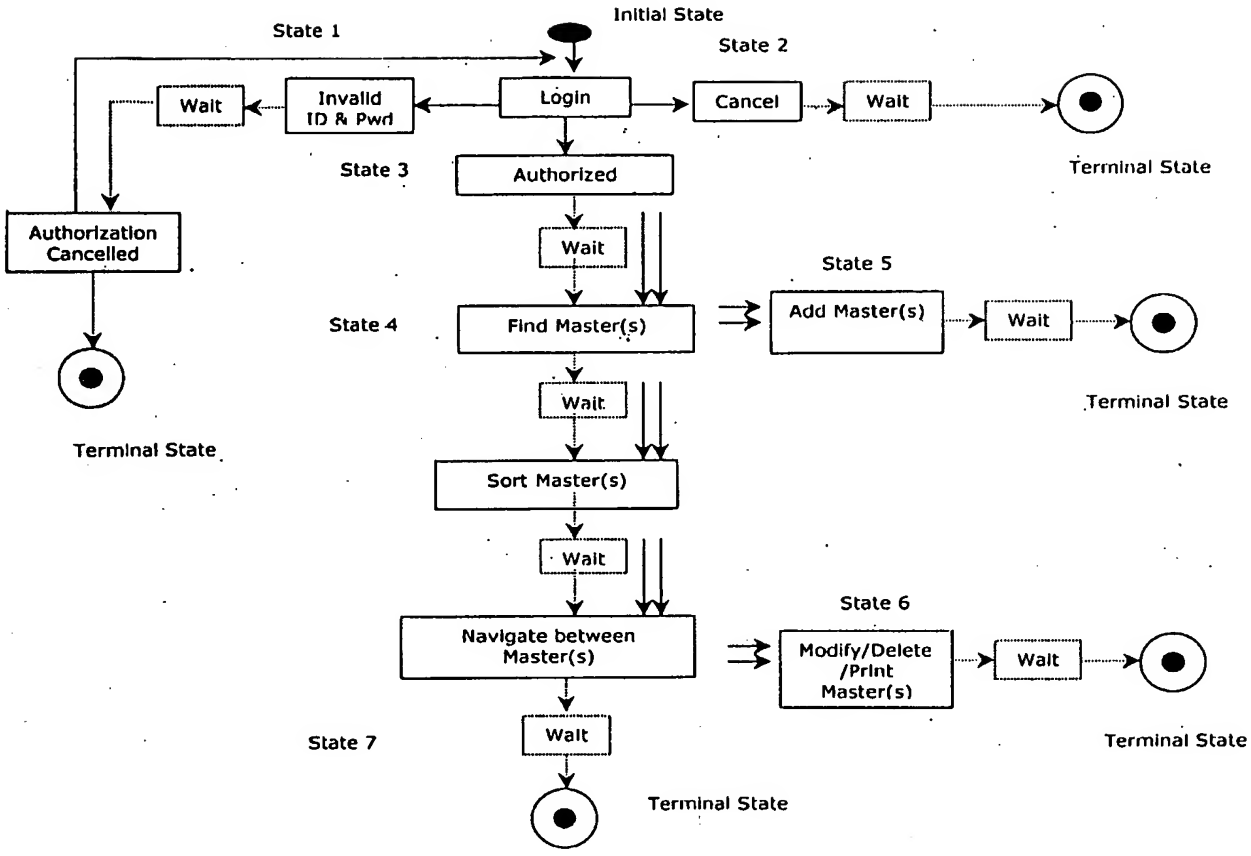

Start
User
Select Criteria
Select Language
Find existing Masters from the Database(s)
Sort and Select Master(s)
Navigate between Masters
Modify Master(s)
Delete Master(s)
Print Master
Add a Master
Copy Current Entry
No
Yes
Input data in the required fields
Input data in the required fields by Voice Input
Input data in all the fields
Input data in all the fields by Voice Input
Database(s) updated
Exit the Module
NO
YES
End

FIG 33


Initial State
State 1
State 2
Wait
Invalid ID & Pwd
Login
Cancel
Wait
Terminal State
State 3
Authorized
Authorization Cancelled
Wait
State 5
State 4
Find Master(s)
Add Master(s)
Wait
Terminal State
Wait
Terminal State
Sort Master(s)
Wait
State 6
Navigate between Master(s)
Modify/Delete /Print Master(s)
Wait
Terminal State
State 7
Wait
Terminal State